

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080021
Agency Interest No. 1409

Mr. Stephen B. Ledoux
Solvents/EDC I Plant
P.O. Box 150
Plaquemine, LA 70765-0150

RE: Part 70 Operating Permit Renewal/Modification, Solvents/EDC I Plant, The Dow Chemical Co –
Louisiana Operations. Plaquemine, Iberville/West Baton Rouge Parish, Louisiana

Dear Mr. Ledoux:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2009.

Permit No.: 2188-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:TVN
c: EPA Region VI

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Solvents/EDC I Plant
The Dow Chemical Co - Louisiana Operations
Agency Interest No.: 1409
The Dow Chemical Co
Plaquemine, Iberville/West Baton Rouge Parish, Louisiana

I. Background

The Dow Chemical Co, The Dow Chemical Co - Louisiana Operations operates the Solvents/EDC I Plant. Currently the plant operates under Permit No. 2188-V0 dated January 30, 2004.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application dated July 28, 2008 was submitted requesting a Part 70 permit renewal/modification.

III. Description

The Solvents/EDC I Plant is comprised of three individual production areas:

- The Solvents area produces perchloroethylene, anhydrous HCl (AHCl), and carbon tetrachloride.
- The EDC area produces 1,2-dichloroethane (EDC).
- The Acid area produces aqueous HCl (AqHCl) and AHCl.

In the Solvents area, hydrocarbons react with chlorine to produce perchloroethylene, carbon tetrachloride and AHCl. The resulting products are stored in tanks and shipped via tank trucks, rail tank cars, and barges. Vents from the Solvents area process are incinerated in the Solvents/EDC I Thermal Treatment Unit (TTU) Unit, F-700. In the event that F-700 is not available, the vents are sent to the TTU at the Glycol I Plant which serves as a backup TTU. The F-700 TTU currently operates under the Title V permit (2188-V0) and Resource Conservation and Recovery Act (RCRA) permit No. LAD008187080.

In the Perchloroethylene/Carbon Tetrachloride section of the plant, process heating is provided by a synthetic heat transfer system. F-800 is a natural gas-fired furnace used to indirectly heat the synthetic heat transfer fluid.

In the EDC area of the plant, ethylene reacts with chlorine, producing EDC. The EDC produced is stored in tanks and can be shipped via barges or ships. Produced EDC is used as a feed to other process operations at Dow. EDC is also imported to Dow's Louisiana Operations facility by ships and barges. Vents from the EDC area are either used by the Vinyl II Plant as a

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feedstock or burned in the Vinyl II Plant TTU.

AHCl produced at Solvents/EDC I is processed by the acid area of the plant to provide AHCl or AqHCl for use or sales. The AHCl is stored in pressurized storage tanks. The AqHCl is produced by adsorption of anhydrous acid in water and is stored in tanks prior to distribution or shipping. AqHCl can also be imported by barges. The barges are off loaded into the storage tanks. Emissions of HCl are controlled using process scrubbers.

The Pressure Swing Adsorption (PSA) unit is used to recover emissions from organic storage tanks and recover emissions from barge, tank truck and tank car loading, and unloading of chlorinated organic products. The PSA unit is also designed to handle vents from tank car clearing required for a change of service. The PSA system utilizes activated carbon beds to adsorb and recover VOC emissions.

There is no project associated with this renewal/modification. The emissions changes are due to updating emission calculations.

Estimated emissions in tons per year are as follows:

Pollutants	Before	After	Change
CO	13.42	13.40	-0.02
NOx	23.01	23.02	+0.01
PM ₁₀	2.03	2.00	-0.03
SO ₂	5.04	5.02	-0.02
VOC*	30.51	58.89	+28.38
Chlorine	1.22	1.27	+0.05
Dichloromethane	3.65	3.68	+0.03
Hydrochloric acid	7.05	6.65	-0.40
Sulfuric Acid	0.23	0.23	-
Tetrachloroethylene	5.99	7.43	+1.44
Metals**	0.07	0.27	+0.20

***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
1,1,2,2-Tetrachloroethane	0.11	0.19	+0.08
1,1,2-Trichloroethane	0.69	1.01	+0.32
1,1-Dichloroethane	0.13	9.96	+9.83

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***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
1,2-Dichloroethane	9.76	10.91	+1.15
1,2-Dichloropropane	0.85	0.73	-0.12
1,3-Dichloropropene	0.01	0.01	-
1,1-Dichloethylene	<0.01	-	- <0.01
1,2,4-Trichlobenzene	<0.01	-	- <0.01
1,4-Dichlorobenzene	<0.01	-	- <0.01
2,2-Dichloropropene	0.02	-	- 0.02
1,2-Dibromo-3-Chloropropane	<0.01	-	- <0.01
1,2-Dichloroethylene	<0.01	-	- <0.01
Allyl chloride	0.06	0.06	-
Benzene	<0.01	<0.01	-
Bis(chloromethyl)ether	0.17	<0.01	-0.17
Bromochloromethane	<0.01	<0.01	-
Bromodichloromethane	<0.01	-	- <0.01
Bromoform	-	0.01	+0.01
Carbon tetrachloride	8.41	9.66	+1.25
Chloroethane	-	<0.01	+ <0.01
Chloroform	4.27	4.42	+0.15
Chlorobenzene	<0.01	-	- <0.01
Dioxins/Furans	<0.01	<0.01	-
Epichlohydrin	0.09	<0.01	-0.09
Ethylene	3.61	-	-3.61
Ethyl Chloride	<0.01	-	- <0.01
Hexachlorobenzene	0.45	0.43	-0.02
Hexachlorobutadiene	-	0.32	+0.32
Hexachloro-1,3-butadiene	0.41	-	-0.41
Hexachloroethane	0.26	0.36	+0.10
Methanol	0.01	0.01	-

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***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Methyl chloride	0.04	2.36	+2.32
Naphthalene	-	<0.01	+< 0.01
Pentachloroethane	<0.01	-	- <0.01
Polychlorinated Biphenyls	<0.01	<0.01	-
Propylene oxide	0.05	0.03	-0.02
Propylene	0.63	-	-0.63
Pyridine	<0.01	<0.01	-
1,1,1-Trichloroethane	-	<0.01	+ <0.01
Trichloroethylene	0.20	0.23	+0.03
Vinyl chloride	0.01	0.04	+0.03
Total VOC TAPs	30.24	40.74	+10.50
Other	0.27	18.15	+17.88

Metals**

Antimony (& compounds)	-	<0.01	+ <0.01
Arsenic (& compounds)	<0.01	<0.01	+ <0.01
Barium (& compounds)	-	<0.01	+ <0.01
Beryllium (Table 51.1)	-	<0.01	+ < 0.01
Cadmium (& compounds)	-	<0.01	+ < 0.01
Chromium VI (& compounds)	<0.01	0.02	+0.02
Mercury (& compounds)	<0.01	<0.01	-
Manganese	0.01	-	0.01
Nickel (& compounds)	0.06	0.25	0.19
Lead compounds	<0.01	<0.01	-
Selenium (& compounds)	<0.01	<0.01	-

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IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and New Source Performance Standards (NSPS) do not apply.

This facility is part of major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

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VII. Effects on Ambient Air

Dispersion Model(s) Used: ISC3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
1,3-Butadiene	Annual	0.90	0.92
Benzene	Annual	6.29	12
Chlorinated	Annual	0.002	0.003
Dibenzo Furans			
1,2-Dichloroethane	Annual	3.13	3.85
Ethylene Oxide	Annual	0.56	1.0
Vinyl Chloride	Annual	1.17	1.19
Biphenyl	8-hour	6.71	31
Chlorine	8-hour	6.79	35.7
Sulfuric Acid	8-hour	2.33	23.8
Hydrochloric Acid	8-hour	88.53	180.0
Mercury	8-hour	0.12	1.19

VIII. General Condition XVII Activities

Work Activity	Schedule	PM ₁₀	Emission Rates – tons			
			SO ₂	NO _x	VOC	HCl
Tank PVRV Inspections	Daily				1.81	0.36

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IX. Insignificant Activities

ID No.:	Description	Citation
IA - 1	Diesel Fired Boiler, 0.5-10 MM Btu/hr	LAC 33:III.501.B.5.A.1
IA-2	Stick Sampling	LAC 33:III.501.B.5.A.6
IA-3	Hose Disconnect from Logistics Loading/Unloading Operation	LAC 33:III.501.B.5.D
IA-4	Perchloroethylene V-5 Resin Filter	LAC 33:III.501.B.5.D
IA-5	Inhibitor Addition	LAC 33:III.501.B.5.D
IA-6	Perchloroethylene Cleaning	LAC 33:III.501.B.5.D
IA-7	Logistics Activities	LAC 33:III.501.B.5.D

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X. **Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2107	2109	2111	2115	2116*	2147	2153	29*	51*	53*	56	59*
UNF0005	Solvents/EDC Plant	1	1	1	1	1	1					1		1		1				
GRP0166	A7 - HCl Storage Tank Cap																			
Fug0027	DN -- Fugitive Emissions																			
EQT 1209	3K - Scrubber C-85																1			
EQT 1210	3P - TTU F-700																	1		
EQT 1211	5F - DAK-PAK's																	1		
EQT 1212	A6 - HCl Barge Vent Scrubber															3			1	
EQT 1213	A8 - HCl Storage Tank T-107A															3			1	
EQT 1214	A9 - HCl Storage Tank T-107B															3			1	
EQT 1215	CS - HCl Storage Tanks T-500 A/B															3			1	
EQT 1216	DO - Equipment Opening Losses																		1	
EQT 1217	F6 - Carbon Drum Vent After Steam Stripper															1			1	
EQT 1218	IT - Hot Oil Furnace F-800															1	1	2		
EQT 1219	J2 - Block 16 Shot Pond																	2	1	
EQT 1220	J3 - Block 17 Shot Pond																	2	1	
EQT 1221	J4 - T-780 Storm Water Storage Tank																	2	1	

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x. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:II Chapter																	
		5▲	509	9	11	13	15	2103	2107	2109	2111	2115	2116*	2147	2153	29*	51*	53*	56
EQT 1222	LM - Scrubber C-81																		1
EQT 1223	Q1 - Pressure Swing Adsorption System Vent												3						1
EQT 1224	Q2 - Barge and Ship Openings																		1
EQT 1225	C-2 - Process Vent											3		3					1
EQT 1226**	C-2B - Process Vent											3		3					1
EQT 1227	C-5B - Process Vent											3		3					1
EQT 1228**	C-13A - Process Vent											3		3					1
EQT 1229**	C-14A - Process Vent											3		3					1
EQT 1230**	C-14B - Process Vent											3		3					1
EQT 1231	C-59 - Process Vent											3		3					1
EQT 1232	C-60 - Process Vent											3		3					1
EQT 1233	C-500 - Absorber C-500																		1
EQT 1234	C-510 - Process Vent											3		3					1
EQT 1235	C-560 - Process Vent											3		3					1
EQT 1236	C-760 - Process Vent, Ecology System																2		1
EQT 1237	C-761 - Process Vent, Ecology System																2		1
EQT 1238	D-2C - Process Vent																	1	

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x. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:II.Chapter																		
		5▲	509	9	11	13	15	2103	2107	2109	2111	2115	2116*	2147	2153	29*	51*	53*	56	59*
EQT 1239	D-4C - Process Vent																			
EQT 1240	D-8C - Process Vent																			
EQT 1241	D-13 - Process Vent																			
EQT 1242	D-15 - Process Vent																			
EQT 1243	D-16C - Process Vent																			
EQT 1244	D-42B - Storage Vessel																			
EQT 1245	D-101 - Storage Vessel																			
EQT 1246	D-220 - Process Vent																			
EQT 1247	D-518 - Process Vent																			
EQT 1248	D-551 - Process Vent																			
EQT 1249	D-700 - Storage Vessel																			
EQT 1250	D-800 - Storage Vessel																			
EQT 1251	D-810 - Storage Vessel																			
EQT 1252	D-902 - Process Vent																			
EQT 1253	D-904 - Process Vent																			
EQT 1254	D-905 - Process Vent																			
EQT 1255	D-906 - Process Vent																			

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x. **Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III:Chapter																	
		5▲	509	9	11	13	15	2103	2107	2109	2111	2115	2116*	2147	2153	29*	51*	53*	56
EQT 1256	D-907 - Process Vent													3	3			1	
EQT 1257	D-930 - Process Vent																1		
EQT 1260	R-1C - Reactor Process Vent													3	3			1	
EQT 1261**	R-1D - Reactor Process Vent													3	3			1	
EQT 1262**	R-1E - Reactor Process Vent													3	3			1	
EQT 1263	Railcar Loading - Railcar Loading													1			1		
EQT 1264**	T-1A - Storage Vessel													1			1		
EQT 1265**	T-1B - Storage Vessel													1			1		
EQT 1266	T-2 - Storage Vessel													1			1		
EQT 1267	T-3C - Storage Vessel													3			1		
EQT 1268	T-4A - Storage Vessel													1			1		
EQT 1269	T-4B - Storage Vessel													1			1		
EQT 1270	T-7 - Storage Vessel													3			1		
EQT 1271	T-8 - Storage Vessel													3			1		
EQT 1272	T-20 - Storage Vessel													3			1		
EQT 1273	T-22 - Storage Vessel													3			1		
EQT 1274**	T-37 - Storage Vessel													1			1		

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X. **Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2107	2109	2111	2115	2116*	2147	2153	29*	51*	53*	56	59*
EQT 1275	T-52 - Storage Vessel																			
EQT 1276	T-53 - Storage Vessel																			
EQT 1277	T-59 - Storage Vessel																			
EQT 1278	T-60 - Storage Vessel																			
EQT 1279	T-90 - Storage Vessel																			
EQT 1280	T-95A - Storage Vessel																			
EQT 1281	T-95B - Storage Vessel																			
EQT 1282	T-95C - Storage Vessel																			
EQT 1283	T-96 - Storage Vessel																			
EQT 1284	T-100 - Storage Vessel																			
EQT 1285	T-101 - Storage Vessel																			
EQT 1286	T-103 - Storage Vessel																			
EQT 1287**	T-104 - Storage Vessel																			
EQT 1288**	T-105 - Storage Vessel																			
EQT 1289	T-106 - Storage Vessel																			
EQT 1290	T-107 - Storage Vessel																			
EQT 1291	T-108 - Storage Vessel																			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																	
		5▲	509	9	11	13	15	2103	2107	2109	2111	2115	2116*	2147	2153	29*	51*	53*	56
EQT 1292	T-112 - Storage Vessel																		
EQT 1293	T-200 - Storage Vessel																		1
EQT 1294	T-303 - Storage Vessel																		1
EQT 1295	T-304 - Storage Vessel																		1
EQT 1296	T-305 - Storage Vessel																		1
EQT 1297	T-306 - Storage Vessel																		1
EQT 1298	T-749 - Groundwater Storage Vessel																		1
EQT 1299	T-805 - Storage Vessel																		1
EQT 1300	T-807 - Storage Vessel																		1
EQT 1301	Truck Loading - Tank Truck Loading																		1
EQT 1302	V-766 - Groundwater Storage Vessel																		1
EQT 1303	CE-Scrubber C-501																		1

* The regulations indicated above are State Only regulations.

- ▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.
- Vent to TRUS F-410 and F-420 (Vinyl II Plant, Permit No. 2665-V7, issued June 25, 2007).

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have

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- monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHPAP					
		Kb	Db	Dc	NNN	RRR	A	FF	V	A	G	H	Y	EEE	NNNN	64	68		
UNF005	Solvents/EDC Plant				1		1	1		1	1	1	1		1				
GRP0166	A7 - HCl Storage Tank Cap																		
Fug0027	DN - Fugitive Emissions																		
EQT1209	3K - Scrubber C-85																		
EQT1210	3P - TTU F-700	3			3														2
EQT1211	5F - DAK-PAK's																		
EQT1212	A6 - HCl Barge Vent Scrubber																		1
EQT1213	A8 - HCl Storage Tank T-107A		3																1
EQT1214	A9 - HCl Storage Tank T-107B			3															1
EQT1215	CS - HCl Storage Tanks T-500 A/B																		
EQT1216	DO - Equipment Opening Losses																		
EQT1217	F6 - Carbon Drum Vent After Steam Stripper																		
EQT1218	IT - Hot Oil Furnace F-800																		
EQT1219	J2 - Block 16 Shot Pond																		
EQT1220	J3 - Block 17 Shot Pond																		
EQT1221	J4 - T-780 Storm Water Storage Tank																		

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Plaquemine, Iberville/West Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP					
		Kb	Db	Dc	NNN	RRR	A	FF	V	A	G	H	Y	EEE	NNNN	64	68		
EQT 1222	LM - Scrubber C-81																		
EQT 1223	Q1 - Pressure Swing Adsorption System Vent																		1
EQT 1224	Q2 - Barge and Ship Openings																		2
EQT 1225	C-2 - Process Vent	3																	1
EQT 1226**	C-2B - Process Vent	3																	1
EQT 1227	C-5B - Process Vent	3																	1
EQT 1228**	C-13A - Process Vent	3																	1
EQT 1229**	C-14A - Process Vent	3																	1
EQT 1230**	C-14B - Process Vent	3																	1
EQT 1231	C-59 - Process Vent	3																	1
EQT 1232	C-60 - Process Vent	3																	1
EQT 1233	C-500 - Absorber C-500																		1
EQT 1234	C-510 - Process Vent	3																	1
EQT 1235	C-560 - Process Vent	3																	1
EQT 1236	C-760 - Process Vent, Ecology System	3																	1
EQT 1237	C-761 - Process Vent, Ecology System	3																	1
EQT 1238	D-2C - Process Vent	3																	1

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Solvents/EDC I Plant
The Dow Chemical Co - Louisiana Operations
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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP					
		Kb	Db	Dc	NNN	RRR	A	FF	V	A	G	H	Y	EEE	NNNN	NNNN	64	68	
EQT 1239	D-4C - Process Vent				3				1			1		1	1				
EQT 1240	D-8C - Process Vent				3				1			1		1	1				
EQT 1241	D-13 - Process Vent	3													3				
EQT 1242	D-15 - Process Vent	3												1	1				
EQT 1243	D-16C - Process Vent				3					1			1	1					
EQT 1244	D-42B - Storage Vessel	3												3					
EQT 1245	D-101 - Storage Vessel	-	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	
EQT 1246	D-220 - Process Vent				3					1			1	1	1				
EQT 1247	D-518 - Process Vent	3			3										1				
EQT 1248	D-551 - Process Vent				3						1			1	1				
EQT 1249	D-700 - Storage Vessel	3													3				
EQT 1250	D-800 - Storage Vessel	3													3				
EQT 1251	D-810 - Storage Vessel	3														3			
EQT 1252	D-902 - Process Vent	3			3											1			
EQT 1253	D-904 - Process Vent	3			3											1			
EQT 1254	D-905 - Process Vent	3			3											1			
EQT 1255	D-906 - Process Vent	3			3											1			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR	
		Kb	Db	Dc	NNN	RRR	A	FF	V	A	G	H	Y	EEE	NNNN	64	68				
EQT 1256	D-907 - Process Vent	3			3										1						
EQT 1257	D-930 - Process Vent	3													1						
EQT 1260	R-1C - Reactor Process Vent						3								1						
EQT 1261**	R-1D - Reactor Process Vent						3								1						
EQT 1262**	R-1E - Reactor Process Vent						3								1						
EQT 1263	Railcar Loading - Railcar Loading														1						
EQT 1264**	T-1A - Storage Vessel	3													3						
EQT 1265**	T-1B - Storage Vessel	3													3						
EQT 1266	T-2 - Storage Vessel	3													1						
EQT 1267	T-3C - Storage Vessel	3													3						
EQT 1268	T-4A - Storage Vessel	3													1						
EQT 1269	T-4B - Storage Vessel	3													1						
EQT 1270	T-7 - Storage Vessel	3													1						
EQT 1271	T-8 - Storage Vessel	3													1						
EQT 1272	T-20 - Storage Vessel	3													3						
EQT 1273	T-22 - Storage Vessel	3													3						
EQT 1274	T-37 - Storage Vessel	3													3						

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP					
		Kb	Db	Dc	NNN	RRR	A	FF	V	A	G	H	Y	EEE	NNNN	64	68		
EQT 1275	T-52 - Storage Vessel	3													1				
EQT 1276	T-53 - Storage Vessel	3													1				
EQT 1277	T-59 - Storage Vessel	3													1				
EQT 1278	T-60 - Storage Vessel	3													1				
EQT 1279	T-90 - Storage Vessel	3													1				
EQT 1280	T-95A - Storage Vessel	3													1				
EQT 1281	T-95B - Storage Vessel	3													1				
EQT 1282	T-95C - Storage Vessel	3													1				
EQT 1283	T-96 - Storage Vessel	3													1				
EQT 1284	T-100 - Storage Vessel	3													1				
EQT 1285	T-101 - Storage Vessel	3													1				
EQT 1286	T-103 - Storage Vessel	3													1				
EQT 1287**	T-104 - Storage Vessel	3													1				
EQT 1288**	T-105 - Storage Vessel	3													1				
EQT 1289	T-106 - Storage Vessel	3													1				
EQT 1290	T-107 - Storage Vessel	3													1				
EQT 1291	T-108 - Storage Vessel	3													1				

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP					
		Kb	Db	Dc	NNN	RRR	A	FF	V	A	G	H	Y	EEE	NNNN	64	68		
EQT 1292	T-112 - Storage Vessel	3													1				
EQT 1293	T-200 - Storage Vessel	3													1				
EQT 1294	T-303 - Storage Vessel	3													1				
EQT 1295	T-304 - Storage Vessel	3													1				
EQT 1296	T-305 - Storage Vessel	3													1				
EQT 1297	T-306 - Storage Vessel	3													1				
EQT 1298	T-749 - Groundwater Storage Vessel	3													3				
EQT 1299	T-805 - Storage Vessel	3													1				
EQT 1300	T-807 - Storage Vessel	3													1				
EQT 1301	Truck Loading - Tank Truck Loading														1				
EQT 1302	V-766 - Groundwater Storage Vessel														3				
EQT 1303	CE-Scrubber C-501														3				
																	1		

** Vent to TTUs F-410 and F-420 (Vinyl II Plant, Permit No. 2665-V7, issued June 25, 2007).

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.

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- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 1209	40 CFR 63.8985, Subpart NNNNN NESHPAP for Hydrochloric Acid Production	DOES NOT APPLY. Does not meet defined effective concentration. The HCl acid concentration manufactured is always less than 30 weight percent.
EQT 1210	40 CFR 64 Compliance Assurance Monitoring 40 CFR 60, Subpart Kb NSPS for Volatile Organic Liquid Storage Vessels	EXEMPT. Units with emission limitations or standards for which part 70 or 71 permit specifies a continuous compliance determination method are exempt from CAM.
	40 CFR 60, Subpart NNN NSPS for VOC Emissions from SOCMI Distillation Operations	DOES NOT APPLY. NSPS Subpart Kb tanks which overlap applicability with HON Subpart G need only comply with HON Subpart G.
LAC 33:III.1503	Emissions Standards for Sulfur Dioxide	DOES NOT APPLY. NSPS process vent which overlaps with SOCMI HON applicability criteria need only meet HON Subpart G requirements.
EQT 1211	LAC 33:III.2103 Control of Emission of Organic Compounds	EXEMPT. Units < 250 TPY
EQT1212	LAC 33:III.2115 Control of Emission of Organic Compounds 40 CFR 63 Subpart G, NESHPAP from SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.	DOES NOT APPLY. Dak-Pak is less than 250 gallons. Therefore, do not qualify as storage vessels. DOES NOT APPLY. This waste gas stream does not contain VOCs.
EQT1213-1214	LAC 33:III.2103 Control of Emission of Organic Compounds 40 CFR 60, subpart Kb NSPS for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. This source does not meet the definition of process vent. DOES NOT APPLY. Tanks do not emit VOCs.
EQT1216	40 CFR 63.111 and 40 CFR 63.101 Subpart G, NESHPAP from SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.	DOES NOT APPLY. Tanks do not store volatile organic liquids.
EQT1218	40 CFR 60.40(a) Subpart Dc, NSPS for Small Industrial-Commercial-Institutional Steam Generating Units	DOES NOT APPLY. Gas stream does not meet the definition of a process vent. DOES NOT APPLY. No construction, modification, or reconstruction after effective date of June 9, 1989. Maximum design heat input for this unit is less than 10 MM BTU/hr.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT1218	LAC 33:III.1503 Emissions Standards for Sulfur Dioxide	EXEMPT. Units < 250 TPY
EQT1219-1221	LAC 33:III.2115 Control of Emission of Organic Compounds	EXEMPT. Wastewater components are exempt from the control requirements of Section B of this section if overall control of VOC emissions from the wastewater of affected source categories is at least 90 percent less than the 1990 baseline. Control plan submitted per 2153 G.4.a
EQT1223	Subchapter M. Limiting VOC Emissions from Industrial Wastewater LAC 33:II.2115 Waste Gas Disposal	DOES NOT APPLY. Process vent meet SOCMI HON applicability criteria per 40 CFR 63.110(d); therefore, due to overlap, not required to comply with provisions of this subpart.
EQT1225-1232, EQT1234 and EQT1235	40 CFR 64.2(b)(1)(i) Compliance Assurance Monitoring LAC 33:III.2115 Waste Gas Disposal	EXEMPT. Units subject to NESHAP standards promulgated after November 15, 1990 are exempt from CAM. This is a HON regulated control device. DOES NOT APPLY. Process vent meet SOCMI HON applicability criteria per 40 CFR 63.110(d); therefore, due to overlap, not required to comply with provisions of this subpart.
	LAC 33:III.2147.A.2.g Subchapter J. Limiting VOC Emissions from Reactor Processes and Distillation Processes in SOCMI	Any reactor process or distillation operation that is subject to the Hazardous Organic NESHAP (HON), the NSPS of Subchapter NNN for distillation operations, or the NSPS of Subchapter RRR for reactor processes is not subject to the provisions of the Subchapter.
	40 CFR 60.660(b) and 40 CFR 60.110(d)(4) Subpart NNN, NSPS for VOC Emissions from SOCMI Distillation Operations	DOES NOT APPLY. No construction, modification, or reconstruction after effective date of December 30, 1983 (40 CFR 60.660(b))
		Process vent would comply with NSPS NNN due to meeting SOCMI HON applicability criteria. Would be required to meet only HON. 40CFR 60.110(d)(4)

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT1236-1237	LAC 33:III.2153.G.4 Subchapter M. Limiting VOC emissions from Industrial Wastewater 40 CFR 60.660(b) and 40 CFR 60.110(d)(4) Subpart NNN, NSPS for VOC Emissions from SOCMI Distillation Operations	EXEMPT. Wastewater components are exempt from the control requirements of Section B of this section if overall control of VOC emissions from the wastewater of affected source categories is at least 90 percent less than the 1990 baseline. Control plan submitted per 2153.G.4.a
EQT1242	LAC 33: III. 2103 Storage of VOC 40 CFR 60 , Subpart Kb NSPS for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. No construction, modification, or reconstruction after effective date of December 30, 1983.(40 CFR 60.660(b)) Process vent would comply with NSPS NNN due to meeting SOCMI HON applicability criteria. Would be required to meet only HON. 40 CFR 60.110(d)(4)
EQT1238-1240, EQT1243, EQT1246 and EQT1248		DOES NOT APPLY. Maximum true vapor pressure < 1.5 psia at storage conditions.
EQT1241, EQT1244-1245, EQT1249, EQT1251,EQT1267, EQT1272-1273	LAC 33: III. 2103 Storage of VOC	HON Subpart G tanks that overlap applicability with NSPS Subpart Kb need only comply with HON Subpart G. (40 CFR 63.110(b)(1)) DOES NOT APPLY. No construction, modification, or reconstruction after effective date of July 23, 1984. (40 CFR 60.110(b)(a)) HON Subpart G tanks that overlap applicability with NSPS Subpart Kb need only comply with HON Subpart G. (40 CFR 63.110(b)(1)) DOES NOT APPLY. No construction, modification, or reconstruction after effective date of December 30, 1983.(40 CFR 60.660(b)) Process vent would comply with NSPS NNN due to meeting SOCMI HON applicability criteria. Would be required to meet only HON. 40 CFR 60.110(d)(4)
		DOES NOT APPLY. Maximum true vapor pressure < 1.5 psia at storage conditions.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT1241, EQT1244-1245, EQT1249-1251, EQT1267, EQT1272-1273	40 CFR 60.110b(a) Subpart Kb. NSPS for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. Tank capacity is less than regulated volume of 75 cubic meters (19,800 gallons).
	40 CFR 63.101 Subpart G. NESHAP from SOCMi for Process Vents, Storage Vessels, Transfer Operations, and Wastewater	DOES NOT APPLY. Tank capacity is less than regulated volume of 38 cubic meters (10,000 Gallons).
EQT1252-1256	LAC 33:III.2115 Waste Gas Disposal	DOES NOT APPLY. Process vent meet SOCMi HON applicability criteria per 40 CFR 63.110(d); therefore, due to overlap, not required to comply with provisions of this subpart.
	<u>LAC 33:III.2147.A.2.g</u> Subchapter J. Limiting VOC Emissions from Reactor Processes and Distillation Processes in SOCMi	Any reactor process or distillation operation that is subject to the Hazardous Organic NESHAP (HON); the NSPS of Subchapter NNN for distillation operations; or the NSPS of Subchapter RRR for reactor processes is not subject to the provisions of the Subchapter.
	40 CFR 60.660(b) and 40 CFR 60.110(d)(4) Subpart NNN, NSPS for VOC Emissions from SOCMi Distillation Operations	DOES NOT APPLY. No construction, modification, or reconstruction after effective date of December 30, 1983. (40 CFR 60.560(b))
		Process vent would comply with NSPS NNN due to meeting SOCMi HON applicability criteria. Would be required to meet only HON. 40CFR 60.110(d)(4)

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT1257	40 CFR 60, Subpart Kb NSPS for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. No construction, modification, or reconstruction after effective date of July 23, 1984. (40 CFR 60.110(b)(a)) HON Subpart G tanks that overlap applicability with NSPS Subpart Kb need only comply with HON Subpart G. (40 CFR 63.110(b)(1))
EQT1264-1265 and EQT1274	40 CFR 60.110b(a), Subpart Kb NSPS for Volatile Organic Liquid Storage Vessels 40 CFR 63.101 Subpart G, NESHAP from SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater LAC 33:II.2115 Control of Emission of Organic Compounds	DOES NOT APPLY. Tank capacity is less than regulated volume of 75 cubic meters (19,800 gallons). DOES NOT APPLY. Tank capacity is less than regulated volume of 38 cubic meters (10,000 Gallons).
EQT1260-1262	40 CFR 60.700(b) NSPS for SOCMI Reactor Processes 40 CFR 60, Subpart Kb NSPS for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. Process vent meets SOCMI HON applicability criteria per 40 CFR 63.100(d); therefore, due to overlap, not required to comply with provisions of this subpart. DOES NOT APPLY. No construction, modification, or reconstruction after effective date of June 29, 1990.
EQT1266, EQT1268-1271 EQT1275-1278, EQT1280-1297, EQT1299, EQT1300		DOES NOT APPLY. No construction, modification, or reconstruction after effective date of July 23, 1984. (40 CFR 60.110(b)(a)) HON Subpart G tanks that overlap applicability with NSPS Subpart Kb need only comply with HON Subpart G. (40 CFR 63.110(b)(1))

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT1270-1271, EQT1276-1277, EQT1280-1282, EQT1284-1286, EQT1289-1290, EQT1293, EQT1300	LAC 33:III.2103 Control of Emission of Organic Compounds. Storage of VOC	DOES NOT APPLY. Maximum true vapor pressure < 1.5 psia at storage conditions
EQT1279	40 CFR 60.110(b)(1), Subpart Kb NSPS for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. HON Subpart G tanks that overlap applicability with NSPS Subpart Kb need only comply with HON Subpart G.
EQT1298	LAC 33:III.2103 Control of Emission of Organic Compounds Storage of VOC LAC 33:III.2109 Control of Emission of Organic compounds Oil/Water Separation	DOES NOT APPLY. Maximum true vapor pressure < 1.5 psia at storage conditions
	40 CFR 60.110b(a), Subpart Kb NSPS for Volatile Organic Liquid Storage Vessels	EXEMPT. Any single or multiple compartment VOC water separator which separates less than 200 gallons a day of materials containing VOC is exempt from LAC 33:III.2109.A
	40 CFR 63 .101 Subpart G, NESHAP from SOCMI Process Vents, Storage Vessels, Transfer Operations, and Wastewater	DOES NOT APPLY. No construction, modification, or reconstruction after effective date of July 23, 1984
EQT1302		DOES NOT APPLY. Tank capacity is less than regulated volume of 38 cubic meters (10,000 gallons)

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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Part 70 Specific Conditions

The permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions program.

- a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (40 CFR 63 Subpart H-HON) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
- b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
- c. Permittee shall comply with recording and reporting requirements of the overall most stringent program. Semiannual report shall be submitted on April 30 and October 31, to cover the periods of October 1 through March 31 and April 1 through September 30, respectively. The semiannual reports shall include any monitoring performed within the reporting period.
- d. Permittee shall comply with the closed-vent systems and control devices standards specified in 40 CFR 61.349. The control device shall be designed and operated in accordance with 40 CFR 61.349 (a)(2)(i) or (ii) or (iii) or (iv).

Unit or Plant Site	Programs being streamlined	Stream Applicability	Overall Most Stringent Program
Solvents/EDC I Plant	40 CFR 63 Subpart H-HON	5% VOHAP	40 CFR 63 Subpart H-HON
	LAC 33:III.2122	10% VOC	
	40 CFR 61 Subpart J	Emission Standard for Equipment Leaks of Benzene	

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - I. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

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- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

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4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated July 28, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:
 - 1. Description of noncomplying emission(s);
 - 2. Cause of noncompliance;
 - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
 - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:1 Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.
- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1409 The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

Physical Location: 21255 Hwy 1
(portion of)
Plaquemine, LA 70765

Mailing Address: PO Box 150
Plaquemine, LA 707650150

Location of Front Gate: latitude, longitude, Coordinate Method: Lat ULong - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Catherine Bilello	PO Box 150 Plaquemine, LA 707650150	2253536595 (WP)	Responsible Official for
Robert Brandt	PO Box 150 Plaquemine, LA 707650150	2253538938 (WP)	Responsible Official for
Dan Bucholtz	PO Box 150 Plaquemine, LA 707650150	2253535802 (WP)	Responsible Official for
Mike Christal	PO Box 150 Plaquemine, LA 707650150	2253531660 (WP)	Responsible Official for
Delta Contreras	PO Box 150 Plaquemine, LA 707650150	2253536192 (WP)	Responsible Official for
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Water Billing Party for
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Accident Prevention Billing Party for
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Stage II Vapor Recovery Billing Party for
Dennis Davis	PO Box 150 Plaquemine, LA 707650150	2253536128 (WP)	Solid Waste Billing Party for
Bart Doezael	PO Box 150 Plaquemine, LA 707650150	2253536039 (WP)	Responsible Official for
Ivy Dupree	21255 Hwy 1 S Plaquemine, LA 70765	2253531630 (WP)	Remediation Contact for
Richard Durham	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	-----	Underground Storage Tank Contact for
Richard Durham	----- PO Box 150 Bldg 3502 E Plaquemine, LA 707650150 -----	-----	Hazardous Waste Permit Contact for
Tim Gunn	PO Box 150 Plaquemine, LA 707650150	2253531514 (WP)	Responsible Official for
Dan Jason	PO Box 150 Plaquemine, LA 707650150	2253631512 (WP)	Responsible Official for
Gretchen LeBlanc	PO Box 150 Plaquemine, LA 707650150	2253531642 (WP)	Responsible Official for
Craig Leopard	PO Box 150 Plaquemine, LA 707650150	2253535871 (WP)	Responsible Official for
Donald Lyle	PO Box 150 Plaquemine, LA 707650150	2253536472 (WP)	Responsible Official for
Vic McMurray	PO Box 150 Plaquemine, LA 707650150	2253536148 (WP)	Responsible Official for
Will Nipper	PO Box 150 Plaquemine, LA 707650150	22535358116 (WP)	Emission Inventory Contact for
Will Nipper	PO Box 150 Plaquemine, LA 707650150	wnipper@dow.com	Emission Inventory Contact for
Brad Rabala	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253226146 (DP)	Radiation Contact For
Brad Rabala	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253226146 (DP)	Radiation Safety Officer for
Brad Rabala	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253538001 (WF)	Radiation Safety Officer for
Brad Rabala	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	BRABALAIS@DOW	Radiation Safety Officer for
Brad Rabala	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253538001 (WF)	Radiation Contact For
Brad Rabala	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253536146 (WP)	Radiation Contact For
Brad Rabala	21255 Hwy 1 Bldg 3502 Plaquemine, LA 70764	2253538948 (WP)	Radiation Safety Officer for
Chris Reed	PO Box 150 Plaquemine, LA 707650150	2253538948 (WP)	Responsible Official for

General Information

AI ID: 1409 The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Lee Trusty	PO Box 150 Plaquemine, LA 707650150	2253535873 (WP)	Responsible Official for
	Gill Walker	PO Box 150 Plaquemine, LA 707650150	2253535317 (WP)	Responsible Official for
	Susan Williams	PO Box 150 Plaquemine, LA 707650150	22535356583 (WP)	Responsible Official for
	David Wilson	PO Box 150 Plaquemine, LA 707650150		Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	JE Merit Constructors Inc	4949 Essen Ln Baton Rouge, LA 70898	2257685548 (WP)	Provides environmental services for
	National Maintenance Corp	2865 Mason St Baton Rouge, LA 70865		Provides environmental services for
	Petrin Corp	1405 Commercial Dr Port Allen, LA 70767		Provides environmental services for
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Radiation License Billing Party for
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Emission Inventory Billing Party
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Air Billing Party for
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Radiation Registration Billing Party for
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	Owes
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	UST Billing Party for
	The Dow Chemical Co	PO Box 150 Bldg 3502 E Plaquemine, LA 707650150	2253538888 (WP)	

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
Activity Number: PER20080021
Permit Number: 2188-V1
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Solvents/EDC I Plant						
EQT 1209	3K - Scrubber C-85		4500 lb/hr	420 lb/hr		8760 hr/yr
EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)		23.5 MM BTU/hr			8760 hr/yr
EQT 1211	5F - DAK-PAK's					300 hr/yr
EQT 1212	A6 - HCl Barge Vent Scrubber					8760 hr/yr
EQT 1213	A8 - HCl Storage Tank T-107A	744399 gallons				8760 hr/yr
EQT 1214	A9 - HCl Storage Tank T-107B	744399 gallons				8760 hr/yr
EQT 1215	CS - HCl Storage Tanks T-500 A/B	112800 gallons		17785640 gallons/yr		8760 hr/yr
EQT 1216	DO - Equipment Opening Losses		4183 lb/hr	4.23 lb/hr		8760 hr/yr
EQT 1217	F6 - Carbon Drum Vent After Steam Stripper		7 MM BTU/hr	7 MM BTU/hr		672 hr/yr
EQT 1218	JT - Hot Oil Furnace F-800					8760 hr/yr
EQT 1219	J2 - Block 16 Shot Pond					8760 hr/yr
EQT 1220	J3 - Block 17 Shot Pond					8760 hr/yr
EQT 1221	J4 - T-780 Storm Water Storage Tank					8760 hr/yr
EQT 1222	LM - Scrubber C-81		100 gallons/min	100 gallons/min		1613.3 hr/yr
EQT 1223	Q1 - Pressure Swing Adsorption System Vent		100 gallons/min	100 gallons/min		8760 hr/yr
EQT 1224	Q2 - Barge and Ship Openings					8760 hr/yr
EQT 1225	C-2 - Process Vent					8760 hr/yr
EQT 1226	C-2B - Process Vent					8760 hr/yr
EQT 1227	C-5B - Process Vent					8760 hr/yr
EQT 1228	C-13A - Process Vent					8760 hr/yr
EQT 1229	C-14A - Process Vent					8760 hr/yr
EQT 1230	C-14B - Process Vent					8760 hr/yr
EQT 1231	C-59 - Process Vent					8760 hr/yr
EQT 1232	C-60 - Process Vent					8760 hr/yr
EQT 1233	C-500 - Absorber C-500					8760 hr/yr
EQT 1234	C-510 - Process Vent					8760 hr/yr
EQT 1235	C-560 - Process Vent					8760 hr/yr
EQT 1236	C-760 - Process Vent, Ecology System					8760 hr/yr
EQT 1237	C-761 - Process Vent, Ecology System					8760 hr/yr
EOT 1238	D-2C - Process Vent					8760 hr/yr
EOT 1239	D-4C - Process Vent					8760 hr/yr
EOT 1240	D-8C - Process Vent					8760 hr/yr
EOT 1241	D-13 - Process Vent					8760 hr/yr
EOT 1242	D-15 - Process Vent					8760 hr/yr
EOT 1243	D-16C - Process Vent					8760 hr/yr
EOT 1244	D-42B - Storage Vessel					8760 hr/yr
EOT 1245	D-101 - Storage Vessel					8760 hr/yr
EOT 1246	D-220 - Process Vent					8760 hr/yr
EOT 1247	D-518 - Process Vent					8760 hr/yr

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INVENTORIES

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
Activity Number: PER20080021
Permit Number: 2188-V1
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Solvents/EDC I Plant						
EQT 1248	D-551 - Process Vent					8760 hr/yr
EQT 1249	D-700 - Storage Vessel					8760 hr/yr
EQT 1250	D-800 - Storage Vessel					8760 hr/yr
EQT 1251	D-810 - Storage Vessel					8760 hr/yr
EQT 1252	D-902 - Process Vent					8760 hr/yr
EQT 1253	D-904 - Process Vent					8760 hr/yr
EQT 1254	D-905 - Process Vent					8760 hr/yr
EQT 1255	D-906 - Process Vent					8760 hr/yr
EQT 1256	D-907 - Process Vent					8760 hr/yr
EQT 1257	D-930 - Process Vent					8760 hr/yr
EQT 1258	EIQ A8 - T-107 HCl Storage Tank					8760 hr/yr
EQT 1259	EIQ A9 - T-107 HCl Storage Tank					8760 hr/yr
EQT 1260	R-1C - Reactor Process Vent					8760 hr/yr
EQT 1261	R-1D - Reactor Process Vent					8760 hr/yr
EQT 1262	R-1E - Reactor Process Vent					8760 hr/yr
EQT 1263	Railcar Loading - Railcar Loading					8760 hr/yr
EQT 1264	T-1A - Storage Vessel					8760 hr/yr
EQT 1265	T-1B - Storage Vessel					8760 hr/yr
EQT 1266	T-2 - Storage Vessel					8760 hr/yr
EQT 1267	T-3C - Storage Vessel					8760 hr/yr
EQT 1268	T-4A - Storage Vessel					8760 hr/yr
EQT 1269	T-4B - Storage Vessel					8760 hr/yr
EQT 1270	T-7 - Storage Vessel					8760 hr/yr
EQT 1271	T-8 - Storage Vessel					8760 hr/yr
EQT 1272	T-20 - Storage Vessel					8760 hr/yr
EQT 1273	T-22 - Storage Vessel					8760 hr/yr
EQT 1274	T-37 - Storage Vessel					8760 hr/yr
EQT 1275	T-52 - Storage Vessel					8760 hr/yr
EQT 1276	T-53 - Storage Vessel					8760 hr/yr
EQT 1277	T-59 - Storage Vessel					8760 hr/yr
EQT 1278	T-60 - Storage Vessel					8760 hr/yr
EQT 1279	T-90 - Storage Vessel					8760 hr/yr
EQT 1280	T-95A - Storage Vessel					8760 hr/yr
EQT 1281	T-95B - Storage Vessel					8760 hr/yr
EQT 1282	T-95C - Storage Vessel					8760 hr/yr
EQT 1283	T-96 - Storage Vessel					8760 hr/yr
EQT 1284	T-100 - Storage Vessel					8760 hr/yr
EQT 1285	T-101 - Storage Vessel					8760 hr/yr
EQT 1286	T-103 - Storage Vessel					8760 hr/yr

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INVENTORIES

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
Activity Number: PER20080021
Permit Number: 2188-V1
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Solvents/EDC I Plant						
EQT 1287	T-104 - Storage Vessel					8760 hr/yr
EQT 1288	T-105 - Storage Vessel					8760 hr/yr
EQT 1289	T-106 - Storage Vessel					8760 hr/yr
EQT 1290	T-107 - Storage Vessel					8760 hr/yr
EQT 1291	T-108 - Storage Vessel					8760 hr/yr
EQT 1292	T-112 - Storage Vessel					8760 hr/yr
EQT 1293	T-200 - Storage Vessel					8760 hr/yr
EQT 1294	T-303 - Storage Vessel					8760 hr/yr
EQT 1295	T-304 - Storage Vessel					8760 hr/yr
EQT 1296	T-305 - Storage Vessel					8760 hr/yr
EQT 1297	T-306 - Storage Vessel					8760 hr/yr
EQT 1298	T-749 - Groundwater Storage Vessel					8760 hr/yr
EQT 1299	T-805 - Storage Vessel					8760 hr/yr
EOT 1300	T-807 - Storage Vessel					8760 hr/yr
EOT 1301	Truck Loading - Tank Truck Loading					8760 hr/yr
EQT 1302	V-766 - Groundwater Storage Vessel					8760 hr/yr
EQT 1303	CE - Scrubber C-501					8760 hr/yr
FUG 0027	DN - Fugitive Emissions					8760 hr/yr
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
Solvents/EDC I Plant						
EQT 1209	3K - Scrubber C-85	100	.2			15
EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)	31.62	.5961	2		70
EQT 1212	A6 - HCl Barge Vent Scrubber	128.3	.544	3		15
EQT 1213	A8 - HCl Storage Tank T-107A	2.5	120	1		15
EQT 1214	A9 - HCl Storage Tank T-107B	2.5	120	1		15
EOT 1215	CS - HCl Storage Tanks T-500 A/B			.5		20
EQT 1217	F6 - Carbon Drum Vent After Steam Stripper	5.57	2	.08		3
EQT 1218	IT - Hot Oil Furnace F-800	3.4	1000	2.5		97
EOT 1219	J2 - Block 16 Shot Pond	.01	.01		720	0
EOT 1220	J3 - Block 17 Shot Pond	.01	.01		480	0
EOT 1221	J4 - T-780 Storm Water Storage Tank	.01	.01	100		32
EOT 1222	LM - Scrubber C-81			.5		12
EOT 1223	Q1 - Pressure Swing Adsorption System Vent			1		68
						30
						100

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INVENTORIES

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
Activity Number: PER20080021
Permit Number: 2188-V1
Air - Title V Regular Permit Renewal

Stack Information:		Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Solvents/EDC I Plant	EQT 1303	CE - Scrubber C-501	20	.5	20	20		

Relationships:

ID	Description	Relationship	ID	Description
EQT 1211	5F - DAK-PAK's	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1224	Q2 - Barge and Ship Openings	Controlled by	EQT 1223	Q1 - Pressure Swing Adsorption System Vent
EQT 1225	C-2 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1227	C-5B - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1231	C-59 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1232	C-60 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1234	C-510 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1235	C-560 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1236	C-760 - Process Vent, Ecology System	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1236	C-760 - Process Vent, Ecology System	Controlled by	EQT 1217	F6 - Carbon Drum Vent After Steam Stripper
EQT 1237	C-761 - Process Vent, Ecology System	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1237	C-761 - Process Vent, Ecology System	Controlled by	EQT 1217	F6 - Carbon Drum Vent After Steam Stripper
EQT 1238	D-2C - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1239	D-4C - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1240	D-8C - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1241	D-13 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1242	D-15 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1243	D-16C - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1244	D-42B - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1245	D-101 - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1246	D-220 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1247	D-518 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1248	D-551 - Process Vent	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1249	D-700 - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1250	D-800 - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1251	D-810 - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1252	D-902 - Process Vent	Controlled by	EQT 1223	Q1 - Pressure Swing Adsorption System Vent
EQT 1253	D-904 - Process Vent	Controlled by	EQT 1223	Q1 - Pressure Swing Adsorption System Vent
EQT 1254	D-905 - Process Vent	Controlled by	EQT 1223	Q1 - Pressure Swing Adsorption System Vent
EQT 1255	D-906 - Process Vent	Controlled by	EQT 1223	Q1 - Pressure Swing Adsorption System Vent
EQT 1256	D-907 - Process Vent	Controlled by	EQT 1223	Q1 - Pressure Swing Adsorption System Vent

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INVENTORIES

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
Activity Number: PER20080021
Permit Number: 2188-V1
Air - Title V Regular Permit Renewal

Relationships:

ID	Description	Relationship	ID	Description
EOT1257	D-930 - Process Vent	Controlled by	EOT1223	Q1 - Pressure Swing Adsorption System Vent
EOT1258	EIQ A8 - T-107 HCl Storage Tank	Controlled by	GRP0166	A7 - HCl Storage Tank Cap
EOT1259	EIQ A9 - T-107 HCl Storage Tank	Controlled by	GRP0166	A7 - HCl Storage Tank Cap
EOT1260	R-1C - Reactor Process Vent	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1261	R-1D - Reactor Process Vent	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1262	R-1E - Reactor Process Vent	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1263	Railcar Loading - Railcar Loading	Controlled by	EOT1223	Q1 - Pressure Swing Adsorption System Vent
EOT1266	T-2 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1267	T-3C - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1268	T-4A - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1269	T-4B - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1270	T-7 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1271	T-8 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1272	T-20 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1273	T-22 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1275	T-52 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1276	T-53 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1277	T-59 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1278	T-60 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1279	T-90 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1280	T-95A - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1281	T-95B - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1282	T-95C - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1283	T-96 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1284	T-100 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1285	T-101 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1286	T-103 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1287	T-104 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1288	T-105 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1289	T-106 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1290	T-107 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1291	T-108 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1292	T-112 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1293	T-200 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1294	T-303 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)
EOT1295	T-304 - Storage Vessel	Controlled by	EOT1210	3P - F-700 Thermal Treatment Unit (TTU)

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INVENTORIES

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
 Activity Number: PER20080021
 Permit Number: 2188-V1
 Air - Title V Regular Permit Renewal

Relationships:

ID	Description	Relationship	ID	Description
EQT 1296	T-305 - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1297	T-306 - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1298	T-749 - Groundwater Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1299	T-805 - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1300	T-807 - Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)
EQT 1301	Truck Loading - Tank Truck Loading	Controlled by	EQT 1223	Q1 - Pressure Swing Adsorption System Vent
EQT 1302	V-766 - Groundwater Storage Vessel	Controlled by	EQT 1210	3P - F-700 Thermal Treatment Unit (TTU)

Subject Item Groups:

ID	Group Type	Group Description
CRG 0015	Common Requirements Group	- Process Vents
CRG 0016	Common Requirements Group	- Process Vents
CRG 0017	Common Requirements Group	- Storage Vessels
CRG 0018	Common Requirements Group	- Process Vents
CRG 0019	Common Requirements Group	- Storage Vessels
CRG 0022	Common Requirements Group	- Storage Tanks
CRG 0023	Common Requirements Group	- Shot Pond
CRG 0033	Common Requirements Group	- HCl
GRP 0166	Equipment Group	A7 - HCl Storage Tank Cap
UNF 0005	Unit or Facility Wide	- Solvents/EDC 1 Plant

Group Membership:

ID	Description	Member of Groups
EQT 1212	A6 - HCl Barge Vent Scrubber	CRG0000000033
EQT 1213	A8 - HCl Storage Tank T-107A	GRP0000000166
EQT 1214	A9 - HCl Storage Tank T-107B	GRP0000000166
EQT 1215	CS - HCl Storage Tanks T-500 A/B	CRG0000000033
EQT 1219	J2 - Block 16 Shot Pond	CRG0000000023
EQT 1220	J3 - Block 17 Shot Pond	CRG0000000023
EQT 1222	LM - Scrubber C-B1	CRG0000000033
EQT 1225	C2 - Process Vent	CRG0000000015
EQT 1226	C2B - Process Vent	CRG0000000015
EQT 1227	C5B - Process Vent	CRG0000000015
EQT 1228	C-13A - Process Vent	CRG0000000015
EQT 1229	C-14A - Process Vent	CRG0000000015
EQT 1230	C-14B - Process Vent	CRG0000000015
EQT 1231	C-59 - Process Vent	CRG0000000015
EQT 1232	C-60 - Process Vent	CRG0000000015

INVENTORIES

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
 Activity Number: PER20080021
 Permit Number: 2188-V1
 Air - Title V Regular Permit Renewal

Group Membership:

Group Membership:	ID	Description	Member of Groups
EQT 1234	C-510	Process Vent	CRG0000000015
EQT 1235	C-560	Process Vent	CRG0000000015
EQT 1238	D-2C	Process Vent	CRG0000000016
EQT 1239	D-4C	Process Vent	CRG0000000016
EQT 1240	D-8C	Process Vent	CRG0000000016
EQT 1241	D-13	Process Vent	CRG0000000017
EQT 1243	D-16C	Process Vent	CRG0000000016
EQT 1244	D-42B	Storage Vessel	CRG0000000017
EQT 1245	D-101	Storage Vessel	CRG0000000017
EQT 1246	D-220	Process Vent	CRG0000000016
EQT 1247	D-518	Process Vent	CRG0000000016
EQT 1248	D-551	Process Vent	CRG0000000016
EQT 1249	D-700	Storage Vessel	CRG0000000017
EQT 1251	D-810	Storage Vessel	CRG0000000017
EQT 1252	D-902	Process Vent	CRG0000000018
EQT 1253	D-904	Process Vent	CRG0000000018
EQT 1254	D-905	Process Vent	CRG0000000018
EQT 1255	D-906	Process Vent	CRG0000000018
EQT 1256	D-907	Process Vent	CRG0000000018
EQT 1260	R-1C	Reactor Process Vent	CRG0000000015
EQT 1261	R-1D	Reactor Process Vent	CRG0000000015
EQT 1262	R-1E	Reactor Process Vent	CRG0000000015
EQT 1267	T-3C	Storage Vessel	CRG0000000017
EQT 1272	T-20	Storage Vessel	CRG0000000017
EQT 1273	T-22	Storage Vessel	CRG0000000017
EQT 1279	T-90	Storage Vessel	CRG0000000022
EQT 1283	T-96	Storage Vessel	CRG0000000022
EQT 1287	T-104	Storage Vessel	CRG0000000022
EQT 1288	T-105	Storage Vessel	CRG0000000022
EQT 1292	T-112	Storage Vessel	CRG0000000019
EQT 1294	T-303	Storage Vessel	CRG0000000019
EQT 1295	T-304	Storage Vessel	CRG0000000019
EQT 1296	T-305	Storage Vessel	CRG0000000019
EQT 1297	T-306	Storage Vessel	CRG0000000019
EQT 1298	T-749	Groundwater Storage Vessel	CRG0000000017
EQT 1299	T-805	Storage Vessel	CRG0000000019
EQT 1303	CE	Scrubber C-501	CRG0000000033

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

INVENTORIES

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
 Activity Number: PER2008021
 Permit Number: 2188-V1
 Air - Title V Regular Permit Renewal

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0510	0510 Industrial Inorganic Acids N.E.C. (Rated Capacity)	1.63	MM lbs/yr
1533	1533 Non-Commercial Hazardous Waste Incinerators (Thermal Capacity)	23.55	MM BTU/hr
0620	0620 Halogenated Hydrocarbons (Rated Capacity)	229.45	MM lbs/yr

SIC Codes:

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/year												
Solvents/EDC I Plant															
EQT 1209 <i>jk</i>	2.48	24.83	10.88	4.57	5.51	20.01	0.41	1.62	1.77	1.14	1.14	4.98	0.87	0.87	0.09
EQT 1210 <i>jp</i>													0.02	0.03	0.03
EQT 1211 <i>sf</i>													0.02	0.03	0.10
EQT 1216 <i>do</i>													0.43	2578.45	1.87
EQT 1217 <i>f6</i>													0.06	7.73	0.26
EQT 1218 <i>rr</i>	0.58	0.69	2.52	0.69	0.82	3.01	0.05	0.06	0.23	0.01	0.10	0.04	0.04	0.05	0.17
EQT 1219 <i>j2</i>													0.82	0.99	3.61
EQT 1220 <i>j3</i>													1.52	1.83	6.66
EQT 1221 <i>j4</i>													3.65	4.38	15.99
EQT 1223 <i>on</i>													2.90	112.28	15.61
EQT 1224 <i>o2</i>													0.74	1.48	3.23
EQT 1303 <i>ce</i>													0.24	0.29	1.10
FUG 0027 <i>dn</i>													1.46	1.75	6.39

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 1209 3K	Chlorine	0.02	0.45	0.10
	Hydrochloric acid	0.23	4.50	1.01
	Vinyl chloride	0.01	0.01	0.02
EQT 1210 3P	1,1,2,2-Tetrachloroethane	<0.01	<0.01	0.01
	1,1,2-Trichloroethane	<0.01	<0.01	0.01
	1,1-Dichloroethane	<0.01	<0.01	<0.01
	1,2-Dichloroethane	0.01	0.01	0.05
	1,2-Dichloropropane	<0.01	<0.01	0.02
	Allyl chloride	<0.01	<0.01	0.01
	Antimony (and compounds)	<0.01	<0.01	<0.01
	Arsenic (and compounds)	<0.01	<0.01	<0.01
	Barium (and compounds)	<0.01	<0.01	<0.01
	Beryllium (Table 51.1)	<0.01	<0.01	<0.01
	Bromoform	<0.01	<0.01	<0.01
	Cadmium (and compounds)	<0.01	<0.01	<0.01
	Carbon tetrachloride	0.04	0.05	0.19
	Chlorinated Dibenzo-P-Dioxins	<0.01	<0.01	<0.01
	Chlorinated dibenzofurans	<0.01	<0.01	<0.01
	Chlorine	0.02	0.04	0.70
	Chloroethane	<0.01	<0.01	<0.01
	Chloroform	<0.01	<0.01	0.03
	Chromium VI (and compounds)	<0.01	<0.01	0.02
	Dichloromethane	<0.01	<0.01	0.02
	Epichlorohydrin	<0.01	<0.01	<0.01
	Hexachlorobenzene	0.06	0.09	0.28
	Hexachlorobutadiene	0.04	0.05	0.18
	Hexachloroethane	0.05	0.06	0.20
	Hydrochloric acid	0.32	0.78	1.40
	Lead compounds	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.01	<0.01	<0.01
	Methanol	<0.01	<0.01	<0.01
	Nickel (and compounds)	0.06	0.17	0.25
	Polychlorinated biphenyls	<0.01	<0.01	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 1210 3P	Propylene oxide	<0.01	<0.01	0.03
	Selenium (and compounds)	<0.01	<0.01	<0.01
	Sulfuric acid	0.05	0.05	0.23
	Tetrachloroethylene	0.03	0.04	0.11
	Trichloroethylene	<0.01	<0.01	<0.01
	bis(Chloromethyl)ether	<0.01	<0.01	<0.01
EQT 1211 SF	1,1,2-Trichloroethane	<0.01	<0.01	<0.01
	1,2-Dichloroethane	<0.01	<0.01	<0.01
	1,2-Dichloropropane	<0.01	<0.01	<0.01
	Allyl chloride	0.01	0.01	0.03
	Benzene	<0.01	<0.01	<0.01
	Carbon tetrachloride	0.01	0.01	0.03
	Chlorine	0.01	0.01	0.01
	Chloroform	<0.01	<0.01	0.01
	Dichloromethane	<0.01	<0.01	<0.01
	Hexachlorobenzene	<0.01	<0.01	<0.01
	Hexachlorobutadiene	<0.01	<0.01	0.01
	Hexachloroethane	<0.01	<0.01	<0.01
	Hydrochloric acid	<0.01	<0.01	<0.01
	Methanol	<0.01	<0.01	<0.01
EQT 1212 A5	Pyridine	<0.01	<0.01	<0.01
	Tetrachloroethylene	<0.01	<0.01	<0.01
	Trichloroethylene	0.01	0.01	0.02
EQT 1213 A6	Hydrochloric acid	0.24	15.3	1.04
EQT 1214 A9	Chlorine		<0.01	
	Hydrochloric acid		0.69	
EQT 1215 CS	Chlorine		<0.01	
EQT 1216 DO	Hydrochloric acid	0.07	0.09	0.32
	1,1,2,2-Tetrachloroethane	<0.01	39.04	0.01
	1,1,2-Trichloroethane	0.02	171.50	0.10
	1,2-Dichloroethane	0.13	954.53	0.57
	1,3-Dichloropropene	<0.01	1.56	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 1216 DO	Allyl chloride	<0.01	0.78	<0.01
	Benzene	<0.01	0.78	<0.01
	Carbon tetrachloride	0.20	928.91	0.89
	Chlorine	<0.01	13.57	0.01
	Chloroethane	<0.01	0.03	<0.01
	Chloroform	<0.01	1.58	<0.01
	Dichloromethane	<0.01	0.22	<0.01
	Hexachlorobenzene	0.01	67.17	0.04
	Hexachlorobutadiene	0.01	70.04	0.04
	Hexachloroethane	0.02	143.10	0.09
	Hydrochloric acid	0.04	310.00	0.19
	Methanol	<0.01	0.06	<0.01
	Tetrachloroethylene	0.10	743.83	0.45
	Trichloroethylene	<0.01	8.05	0.01
	Vinyl chloride	<0.01	<0.01	<0.01
EQT 1217 F6	1,1,2,2-Tetrachloroethane	<0.01	<0.01	<0.01
	1,1,2-Trichloroethane	<0.01	0.38	0.01
	1,2-Dichloroethane	0.02	2.11	0.07
	1,2-Dichloropropane	<0.01	0.34	0.01
	Carbon tetrachloride	0.04	4.48	0.15
	Chloroform	<0.01	0.02	<0.01
	Hexachlorobutadiene	<0.01	<0.01	<0.01
	Hexachloroethane	<0.01	<0.01	<0.01
	Tetrachloroethylene	0.01	1.00	0.03
EQT 1219 J2	1,1,2,2-Tetrachloroethane	<0.01	<0.01	<0.01
	1,1,2-Trichloroethane	0.03	0.03	0.11
	1,1-Dichloroethane	0.12	0.14	0.52
	1,2-Dichloroethane	0.09	0.11	0.40
	1,2-Dichloropropane	<0.01	<0.01	0.01
	Carbon tetrachloride	0.24	0.29	1.07
	Chloroform	0.01	0.01	0.03
	Methyl chloride	0.16	0.19	0.71
	Tetrachloroethylene	0.21	0.26	0.94

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Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 1219 J2	Trichloroethylene	0.01	0.01	0.03
EQT 1220 J3	1,1,2,2-Tetrachloroethane	0.02	0.02	0.08
	1,1,2-Trichloroethane	0.011	0.01	0.03
	1,1-Dichloroethane	0.01	0.02	0.06
	1,2-Dichloroethane	0.25	0.30	1.08
	1,2-Dichloropropane	<0.01	<0.01	0.01
	Bromoform	<0.01	<0.01	<0.01
	Carbon tetrachloride	0.09	0.11	0.41
	Chloroform	<0.01	<0.01	0.01
	Methyl chloride	0.24	0.29	1.06
	Tetrachloroethylene	0.02	0.02	0.07
EQT 1221 J4	Trichloroethylene	0.02	0.02	0.09
	1,1,2,2-Tetrachloroethane	<0.01	<0.01	<0.01
	1,1,2-Trichloroethane	0.07	0.08	0.30
	1,1-Dichloroethane	2.14	2.57	9.38
	1,2-Dichloroethane	0.05	0.06	0.21
	1,2-Dichloropropane	<0.01	<0.01	0.01
	Bromoform	<0.01	<0.01	0.01
	Carbon tetrachloride	0.25	0.30	1.09
	Chloroform	0.08	0.09	0.34
	Methyl chloride	0.13	0.16	0.59
EQT 1222 LM	Tetrachloroethylene	0.04	0.05	0.19
	Trichloroethylene	0.01	0.01	0.04
EQT 1223 Q1	Hydrochloric acid	0.17	9.26	0.76
	1,1,1-Trichloroethane	<0.01	0.01	<0.01
	1,1,2,2-Tetrachloroethane	0.01	0.78	0.03
	1,1,2-Trichloroethane	0.05	6.04	0.23
	1,2-Dichloroethane	1.45	2.23	6.36
	1,2-Dichloropropane	0.06	6.84	0.26
	Carbon tetrachloride	0.42	9.74	1.85
	Chloroform	0.90	8.22	3.93
	Dichloromethane	0.83	6.18	3.62
	Methanol	<0.01	<0.01	0.01

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Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 1223 Q1	Tetrachloroethylene	0.18	10.29	0.80
EQT 1224 Q2	1,1,2,2-Tetrachloroethane	<0.01	<0.01	<0.01
	1,1,2-Trichloroethane	0.01	0.01	0.03
	1,1-Dichloroethane	<0.01	<0.01	<0.01
	1,2-Dichloroethane	0.01	0.01	0.03
	1,2-Dichloropropane	0.03	0.06	0.12
	1,3-Dichloropropene	<0.01	<0.01	0.01
	Allyl chloride	0.01	0.01	0.02
	Benzene	<0.01	<0.01	<0.01
	Carbon tetrachloride	0.17	0.34	0.75
	Chloroethane	<0.01	<0.01	<0.01
	Chloroform	0.02	0.03	0.07
	Dichloromethane	0.01	0.02	0.04
	Hexachlorobenzene	<0.01	<0.01	<0.01
	Hexachlorobutadiene	<0.01	<0.01	<0.01
	Hexachloroethane	<0.01	0.01	0.01
EQT 1303 CE	Tetrachloroethylene	0.06	0.12	0.27
	Trichloroethylene	0.01	0.02	0.04
	Carbon tetrachloride	<0.01	<0.01	<0.01
	Chlorine	<0.01	0.58	0.01
FUG 0027 DN	Hydrochloric acid	0.02	0.03	0.10
	Vinyl chloride	0.01	0.01	0.02
	1,1,2,2-Tetrachloroethane	0.01	0.02	0.06
	1,1,2-Trichloroethane	0.04	0.05	0.19
	1,2-Dichloroethane	0.49	0.59	2.14
	1,2-Dichloropropane	0.07	0.08	0.29
	1,3-Dichloropropene	<0.01	<0.01	<0.01
	Allyl chloride	<0.01	<0.01	<0.01
	Benzene	<0.01	<0.01	<0.01
	Carbon tetrachloride	0.74	0.88	3.23

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0027 DN	Hexachlorobutadiene	0.02	0.02	0.09
	Hexachloroethane	0.01	0.02	0.06
	Hydrochloric acid	0.28	0.34	1.23
	Tetrachloroethylene	1.04	1.25	4.57
GRP 0166 A7	Chlorine	<0.01		<0.01
	Hydrochloric acid	0.14		0.6
UNF 0005	1,1,1-Trichloroethane			<0.01
	1,1,2,2-Tetrachloroethane			0.19
	1,1,2-Trichloroethane			1.01
	1,1-Dichloroethane			9.96
	1,2-Dichloroethane			<10.91
	1,2-Dichloropropane			0.73
	1,3-Dichloropropene			0.01
	Allyl chloride			0.06
	Antimony (and compounds)			<0.01
	Arsenic (and compounds)			<0.01
	Barium (and compounds)			<0.01
	Benzene			<0.01
	Beryllium (Table 51.1)			<0.01
	Bromoform			0.01
	Cadmium (and compounds)			<0.01
	Carbon tetrachloride			9.66
	Chlorine			1.27
	Chloroethane			<0.01
	Chloroform			4.42
	Chromium VI (and compounds)			0.02
	Dichloromethane			3.68
	Dioxins and furans (D/F)			<0.01
	Epichlorohydrin			<0.01
	Hexachlorobenzene			0.43
	Hexachlorobutadiene			0.32
	Hexachloroethane			0.36
	Hydrochloric acid			6.65

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0005	Lead compounds			<0.01
	Mercury (and compounds)			<0.01
	Methanol			0.01
	Naphthalene			<0.01
	Nickel (and compounds)			0.25
	Polychlorinated biphenyls			<0.01
	Propylene oxide			0.03
	Pyridine			<0.01
	Selenium (and compounds)	<0.01	<0.01	<0.01
	Sulfuric acid			0.23
	Tetrachloroethylene			7.43
	Trichloroethylene			0.23
	Vinyl chloride			0.04
	bis(Chloromethyl)ether			<0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

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CRG 0015 - Process Vents

Group Members: EQT 1225EQT 1226EQT 1227EQT 1228EQT 1229EQT 1230EQT 1231EQT 1232EQT 1233EQT 1234EQT 1235EQT 1236EQT 1237EQT 1238EQT

- 1 [40 CFR 63.113(a)(1)(ii)] Halogenated vent streams, as defined in 63.111 of this subpart, shall not be vented to a flare. [40 CFR 63.113(a)(1)(ii)]
Reduce emissions of total organic hazardous air pollutants by 98 weight-percent or to a concentration of 20 parts per million by volume, whichever is less stringent. [40 CFR 63.113(a)(2)]
- 2 [40 CFR 63.113(a)(2)] The owner or operator of a Group I process vent as defined in this subpart shall comply with the requirements of paragraph (a)(1), (2), or (3) of this section. [40 CFR 63.113(a)]
- 3 Except as provided in 40 CFR 63.113(c)(1)(ii), the halogen reduction device shall reduce overall emissions of hydrogen halides and halogens as defined by 63.111 of this subpart, by 99 percent or shall reduce the outlet mass of total hydrogen halides and halogens to less than 0.45 kg/hr, whichever is less stringent. [40 CFR 63.113(c)(1)(ii)]
- If a combustion device is used to comply with paragraph (a)(2) of this section for a halogenated vent stream, then the gas stream exiting the combustion device shall be conveyed to a halogen reduction device, such as a scrubber, before it is discharged to the atmosphere. [40 CFR 63.113(c)(1)(ii)]
- The owner or operator of a process vent complying with paragraph (a)(1) or (a)(2) of this section is not required to perform group determination described in 63.115 of this subpart.
- 4 [40 CFR 63.113(c)(1)(ii)] [40 CFR 63.113(h)] Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 5 [40 CFR 63.113(c)(1)(ii)] Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- 6 [40 CFR 63.113(h)] Which Months: All Year Statistical Basis: None specified
- 7 [40 CFR 63.114(d)(2)] The owner or operator of a process vent shall comply with paragraph (d)(1) or (d)(2) of this section for any bypass line between the origin of the gas stream and the point where the gas stream reaches the process vent as described in 63.107, that could divert the gas stream directly to the atmosphere. Equipment such as low leg drains, high point bleeds, analyzer vents, and pressure relief valves needed for safety purposes are not subject to this paragraph. [40 CFR 63.114(d)]
- 8 [40 CFR 63.114(d)(2)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 9 [40 CFR 63.114(d)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1), a(2), a(3) and 40 CFR 63.118(f)(1) through (f)(4). Shall be controlled by TTU to achieve MACT - determined as MACT.
- 10 [40 CFR 63.117(b)]
- 11 [40 CFR 63.118]
- 12 [LAC 33:III.S109.A]

CRG 0016 - Process Vents

Group Members: EQT 1238EQT 1239EQT 1240EQT 1241EQT 1242EQT 1243EQT 1244EQT 1245EQT 1246EQT 1247EQT 1248

- 13 [40 CFR 63.110(e)(1)(ii)] Shall comply with the provisions per 40 CFR 63.110(e)(1)(ii). [40 CFR 63.110(e)(1)(ii)]

SPECIFIC REQUIREMENTS

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CRG 0016 - Process Vents

- 14 [40 CFR 63.110(e)(1)ii]
 For any Group 2 wastewater stream or organic stream whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR 61, subpart FF on or after December 31, 1992, comply with the requirements of this subpart for Group 1 wastewater streams. [40 CFR 63.110(e)(1)ii]
- 15 [40 CFR 63.110(e)(1)]
 After the compliance dates specified in 63.100 of subpart F of this part, the owner or operator of a Group 1 or Group 2 wastewater stream that is also subject to the provisions 40 CFR part 61, subpart FF, is required to comply with the provisions of both this subpart and 40 CFR part 61, subpart FF. Alternatively, the owner or operator may elect to comply with the provisions of paragraphs (e)(1)(i) and (e)(1)(ii) of this section which shall constitute compliance with the provisions of paragraphs (e)(1)(i) and (e)(1)(ii) of this section which shall constitute compliance with the provisions of 40 CFR part 61, subpart FF. [40 CFR 63.110(e)(1)]
- 16 [40 CFR 63.113(a)(1)ii]
 Halogenated vent streams, as defined in 63.111 of this subpart, shall not be vented to a flare. [40 CFR 63.113(a)(1)ii]
- 17 [40 CFR 63.113(a)(2)]
 Reduce emissions of total organic hazardous air pollutants by 98 weight-percent or to a concentration of 20 parts per million by volume, whichever is less stringent. [40 CFR 63.113(a)(2)]
- 18 [40 CFR 63.113(a)]
 The owner or operator of a Group 1 process vent as defined in this subpart shall comply with the requirements of paragraph (a)(1), (2), or (3) of this section. [40 CFR 63.113(a)]
- 19 [40 CFR 63.113(c)(1)ii]
 Except as provided in 40 CFR 63.113(c)(1)ii), the halogen reduction device shall reduce overall emissions of hydrogen halides and halogens as defined by 63.111 of this subpart, by 99 percent or shall reduce the outlet mass of total hydrogen halides and halogens to less than 0.45 kg/hr, whichever is less stringent. [40 CFR 63.113(c)(1)ii]
- 20 [40 CFR 63.113(c)(1)]
 If a combustion device is used to comply with paragraph (a)(2) of this section for a halogenated vent stream, then the gas stream exiting the combustion device shall be conveyed to a halogen reduction device, such as a scrubber, before it is discharged to the atmosphere. [40 CFR 63.113(c)(1)]
- 21 [LAC 33.III.5109.A]
 Shall be controlled by TTU to achieve MACT - determined as MACT.

CRG 0017 - Storage Vessels

Group Members: EQT 1241EQT 1244EQT 1245EQT 1249EQT 1251EQT 1267EQT 1272EQT 1273EQT 1298

- 22 [LAC 33.III.5109.A]
 Shall be controlled by TTU to achieve MACT - Determined as MACT.

CRG 0018 - Process Vents

Group Members: EQT 1252EQT 1253EQT 1254EQT 1255EQT 1256

- 23 [40 CFR 63.113(a)(1)ii]
 Halogenated vent streams, as defined in 63.111 of this subpart, shall not be vented to a flare. [40 CFR 63.113(a)(1)ii]
- 24 [40 CFR 63.113(a)(2)]
 Reduce emissions of total organic hazardous air pollutants by 98 weight-percent or to a concentration of 20 parts per million by volume, whichever is less stringent. [40 CFR 63.113(a)(2)]
- 25 [40 CFR 63.113(a)]
 The owner or operator of a Group 1 process vent as defined in this subpart shall comply with the requirements of paragraph (a)(1), (2), or (3) of this section. [40 CFR 63.113(a)]

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CRG 0018 - Process Vents

- 26 [40 CFR 63.113(c)(1)] Except as provided in 40 CFR 63.113(c)(ii), the halogen reduction device shall reduce overall emissions of hydrogen halides and halogens as defined by 63.111 of this subpart, by 99 percent or shall reduce the outlet mass of total hydrogen halides and halogens to less than 0.45 kg/hr, whichever is less stringent. [40 CFR 63.113(c)(1)]
If a combustion device is used to comply with paragraph (a)(2) of this section for a halogenated vent stream, then the gas stream exiting the combustion device shall be conveyed to a halogen reduction device, such as a scrubber, before it is discharged to the atmosphere. [40 CFR 63.113(c)(1)]
Shall be controlled by PSA to achieve MACT - Determined as MACT.

CRG 0019 - Storage Vessels

- Group Members: EQT 1292 EOT 1294 EOT 1295 EOT 1296 EOT 1297 EOT 1299
Shall comply with the requirements of paragraphs (a)(1), (a)(2), (a)(3) and (a)(4) of this section according to the schedule provisions of 63.100 of Subpart F of this part. [40 CFR 63.119(a)]
The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(e)(1) through (e)(5). [40 CFR 63.119(e)]
Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or. Equip with a submerged fill pipe and.
VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
Which Months: All Year Statistical Basis: None specified
Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
Shall be controlled by PSA to achieve MACT - Determined as MACT.

CRG 0022 - Storage Tanks

- Group Members: EQT 1279 EOT 1283 EOT 1287 EOT 1288
Shall comply with the requirements of paragraphs (a)(1), (a)(2), (a)(3) and (a)(4) of this section according to the schedule provisions of 63.100 of Subpart F of this part. [40 CFR 63.119(a)]
The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(e)(1) through (e)(5). [40 CFR 63.119(e)]
Equip with a submerged fill pipe and.

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CRG 0022 - Storage Tanks

- 39 [LAC 33:III.2103.B]
40 [LAC 33:III.2103.E.]

Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

Shall be controlled by TTU to achieve MACT - Determined as MACT.

CRG 0023 - Shot Pond

Group Members: EQT 1219EQT 1220

- 43 [40 CFR 63.132(a)(3)]
44 [40 CFR 63.146(b)(1)]
45 [40 CFR 63.147(b)(8)]
46 [LAC 33:III.5109.A]

For wastewater streams that are Group 2 for Table 9 compounds, comply with the applicable recordkeeping and reporting requirements specified in 63.146(b)(1) and 63.147(b)(8). [40 CFR 63.132(a)(3)] Shall include the information specified in paragraphs (b)(1)(i) through (iv) of 40 CFR 63.146 in the Notification of Compliance Status Report. This information may be submitted in any form. Table 15 of this subpart is an example. [40 CFR 63.146(b)(1)] Shall keep in a readily accessible location the records specified in paragraphs (b)(8)(i) through (iv). [40 CFR 63.147(b)(8)] Shall control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 1209 3K - Scrubber C-85

- 47 [LAC 33:III.5107.A.2]

Emits Class I and/ or Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33: III.5105.B.

EQT 1210 3P - F-700 Thermal Treatment Unit (TTU)

- 48 [40 CFR 63.113(a)(2)]
49 [40 CFR 63.113(c)(1)(i)]
50 [40 CFR 63.113(c)(1)]

Organic HAP $\geq 98\%$ reduction by weight, or ≤ 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)] Which Months: All Year Statistical Basis: None specified Halogenated vent streams: Hydrogen halides and halogens $\geq 99\%$ reduction, or reduce the outlet mass of total hydrogen halides and halogens < 0.45 kg/hr, whichever is less stringent, using a halogen reduction device. Subpart G. [40 CFR 63.113(c)(1)(i)] Which Months: All Year Statistical Basis: None specified Halogenated vent streams: Convey vent stream exiting a combustion device to a halogen reduction device, such as a scrubber, before being discharged to the atmosphere. Subpart G. [40 CFR 63.113(c)(1)]

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EQT_1210 3P - F-700 Thermal Treatment Unit (TTU)

- 51 [40 CFR 63.114(a)] Each owner or operator of a process vent that uses a combustion device to comply with the requirements in 40 CFR 63.114(a)(1) or (a)(2) of this subpart, or that uses a recovery device or recapture device to comply with the requirements in 40 CFR 63.113(a)(2) of this subpart, shall install monitoring equipment specified in paragraph (a)(1), (a)(2), (a)(3), (a)(4), or (a)(5) of this section, depending shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately. [40 CFR 63.114(a)]
- 52 [40 CFR 63.114(d)(2)] Bypass lines: Seal the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 53 [40 CFR 63.114(d)(2)] Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]

- Which Months: All Year Statistical Basis: None specified
The owner or operator of a process vent shall comply with paragraph (d)(1) or (d)(2) of this section for any bypass line between the origin of the gas stream and the point where the gas stream reaches the process vent as described in 63.107, that could divert the gas stream directly to the atmosphere. Equipment such as low leg drains, high point bleeds, analyzer vents, and pressure relief valves needed for safety purposes are not subject to this paragraph. [40 CFR 63.114(d)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1), a(2), a(4) and 40 CFR 63.118(f)(1) through (f)(4).
--- Shall comply with emission limitations per 40 CFR 63.1203 and 40 CFR 63.1219 for dioxin/furans, total chlorine, mercury, total hydrocarbons --- or carbon monoxide, low-volatile metals, particulate matter, principal organic hazardous constituents (POHCs), and semi-volatile metals, as applicable to the emission source. [40 CFR 63.1203, 40 CFR 63.1219]
--- Shall comply all applicable requirements of 40 CFR 60.1206.
--- Shall perform testing requirements per 40 CFR 63.1207.
--- Shall comply applicable monitoring requirements per 40 CFR 63.1209.
--- Shall comply notification requirements per 40 CFR 63.1210.
--- Shall comply with recordkeeping and reporting requirements per 40 CFR 63.1211.

- 63 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
Total suspended particulate <= 0.6 lb/MMBTU of heat input.
Which Months: All Year Statistical Basis: None specified
Shall control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Shall comply with LAC 33.III.2115.F - Determined as MACT.
- 64 [LAC 33.III.1313.C] _____
- 65 [LAC 33.III.5109.A] _____

EQT_1211 5F - DAK-PAK's

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations
Activity Number: PER20080021
Permit Number: 2188-V1
Air - Title V Regular Permit Renewal

EQT 1211 5F - DAK-PAK's

66 [LAC 33:III.5109.A.1]

Shall be controlled by F-700 Thermal Treatment Unit (TTU) - Determined as MACT.

EQT 1216 DO - Equipment Opening Losses

67 [LAC 33:III.5109.A]

Shall control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 1217 F6 - Carbon Drum Vent After Steam Stripper

68 [40 CFR 63.113(a)(1)]

Reduce emissions of organic HAP using a flare. Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]
Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c).
Subpart G. [40 CFR 63.113(a)(2)]

69 [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified
Shall control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
DEQ.

EQT 1218 IT - Hot Oil Furnace F-800

71 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, changing of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

72 [LAC 33:III.1313.C]

Total suspended particulate <= 0.6 lb/MMBTU of heat input.
Which Months: All Year Statistical Basis: None specified

EQT 1221 J4 - T-780 Storm Water Storage Tank

73 [40 CFR 63.1132(a)(3)]

For wastewater streams that are Group 2 for Table 9 compounds, comply with the applicable recordkeeping and reporting requirements specified in 63.146(b)(1) and 63.147(b)(8). [40 CFR 63.132(a)(3)]
Shall include the information specified in paragraphs (b)(1)(i) through (iv) of 40 CFR 63.146 in the Notification of Compliance Status Report.

74 [40 CFR 63.146(b)(1)]

This information may be submitted in any form. Table 15 of this subpart is an example. [40 CFR 63.146(b)(1)]

75 [40 CFR 63.147(b)(8)]

Shall keep in a readily accessible location the records specified in paragraphs (b)(8)(i) through (iv). [40 CFR 63.147(b)(8)]
Shall control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 1223 Q1 - Pressure Swing Adsorption System Vent

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

EQT 1223 Q1 - Pressure Swing Adsorption System Vent

- 77 [40 CFR 63.119(a)] For each Group 1 transfer rack the owner or operator shall equip each transfer rack with a vapor collection system and control device in the paragraphs 40 CFR 63.119(a)(1) through (a)(3). [40 CFR 63.119(a)]
The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(e)(1) through (e)(5). [40 CFR 63.119(e)]
To demonstrate compliance with 40 CFR 63.119(e) of this subpart (storage vessel equipped with a closed vent system and control device) using a control device other than a flare, the owner or operator shall comply with the requirements in paragraphs 40 CFR 63.120(d)(1) through (d)(7) of this section, except as provided in paragraph (d)(8) of this section. [40 CFR 63.120(d)]
For each Group 1 transfer rack the owner or operator shall equip each transfer rack with a vapor collection system and control device. [40 CFR 63.126(a)]
Use a control device to reduce emissions of total organic HAP by 98 weight-percent or to an exit concentration of 20 ppm by volume, whichever is less stringent. [40 CFR 63.126(b)(1)]
For each Group 1 transfer rack the owner or operator shall comply with paragraph 40 CFR. 126(b)(1), (b)(2), (b)(3), or (b)(4). [40 CFR 63.126(b)]
Shall control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT 1224 Q2 - Barge and Ship Openings

- The recordkeeping requirements of 63.567(i)(4) and the emissions estimation requirements of 63.565(i) apply to existing sources with emissions less than 10 and 25 tons. [40 CFR 63.560(3)]
Shall be controlled by PSA to achieve MACT - Determined as MACT.

EQT 1233 C-500 - Absorber C-500

- 86 [40 CFR 63.560(3)] Shall monitor as specified in 40 CFR 63.9035.
87 [40 CFR 63.9050] Shall report as applicable per 40 CFR 63.9050.
88 [40 CFR 63.9055] Shall recordkeeping as required in 40 CFR 63.9055.

EQT 1236 C-760 - Process Vent, Ecology System

- 89 [40 CFR 63.113(c)(1)(i)] Except as provided in 40 CFR 63.113(c)(1)(ii), the halogen reduction device shall reduce overall emissions of hydrogen halides and halogens as defined by 63.111 of this subpart, by 99 percent or shall reduce the outlet mass of total hydrogen halides and halogens to less than 0.45 kg/hr, whichever is less stringent. [40 CFR 63.113(c)(1)(i)]
90 [LAC 33-III.5109 A.1] Shall be controlled by TTU F-700 and/or Carbon Bed Vent after Steam Stripper(EIQ F6) to achieve MACT - determined as MACT.

EQT 1237 C-761 - Process Vent, Ecology System

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

EQT 1237 C-761 - Process Vent, Ecology System

- 91 [40 CFR 63.113(c)(1)i] Except as provided in 40 CFR 63.113(c)(1)(ii), the halogen reduction device shall reduce overall emissions of hydrogen halides and halogens as defined by 63.111 of this subpart, by 99 percent or shall reduce the outlet mass of total hydrogen halides and halogens to less than 0.45 kg/hr, whichever is less stringent. [40 CFR 63.113(c)(1)i]
Shall be controlled by TTU F-700 and/or Carbon Bed Vent after Steam Stripper(EIQ F6) to achieve MACT - determined as MACT.
- 92 [LAC 33:III.5109.A.]

EQT 1242 D-15 - Process Vent

- 93 [40 CFR 63.123(a)] Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for a Group 1 or Group 2. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]
Shall be controlled by TTU to achieve MACT - Determined as MACT.
- 94 [LAC 33:III.5109.A.]

EQT 1250 D-800 - Storage Vessel

- 95 [LAC 33:III.2103.A] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place or.
Equip with a submerged fill pipe or.
Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or.
VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
Which Months: All Year Statistical Basis: None specified
Shall be controlled by TTU to achieve MACT - Determined as MACT.
- 96 [LAC 33:III.2103.A]
97 [LAC 33:III.2103.A]
98 [LAC 33:III.2103.E.1]
99 [LAC 33:III.5109.A]

EQT 1257 D-930 - Process Vent

- 100 [40 CFR 63.123(a)] Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.
This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]
Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or.
Equip with a submerged fill pipe.
Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place or.
- 101 [LAC 33:III.2103.A]
102 [LAC 33:III.2103.A]
103 [LAC 33:III.2103.A]

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

EQT 1257 D-930 - Process Vent

- 104 [LAC 33:III.2103.E.1] VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
Which Months: All Year Statistical Basis: None specified
Shall be controlled by PSA to achieve MACT - Determined as MACT.

EQT 1263 Railcar Loading - Railcar Loading

- 106 [40 CFR 63.126(a)] Equip with a vapor collection system and control device. Subpart G. [40 CFR 63.126(a)]
107 [40 CFR 63.126(b)(1)] Organic HAP \geq 98 % reduction by weight or exit concentration \leq 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(1)]
Which Months: All Year Statistical Basis: None specified
For each Group I transfer rack the owner or operator shall comply with paragraph (b)(1), (b)(2), (b)(3), or (b)(4) of this section. [40 CFR 63.126(b)]
VOC, Total \geq 90 % DRE, using a vapor disposal system.
Which Months: All Year Statistical Basis: None specified
Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system.
Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.
Which Months: All Year Statistical Basis: None specified
Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 through 4.
Shall be controlled by PSA to achieve MACT - Determined by MACT.
- 112 [LAC 33:III.2107.C] _____
113 [LAC 33:III.2107.C] _____
114 [LAC 33:III.2107.D] _____
115 [LAC 33:III.5109.A] _____
- 116 [LAC 33:III.2103.A] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place or.
Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or.
Equip with a submerged fill pipe.

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

EQT 1264 T-1A - Storage Vessel

119 [LAC 33:III.2.03.E.1]

VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

120 [LAC 33:III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1265 T-1B - Storage Vessel

121 [40 CFR 63.5109(A)]

122 [LAC 33:III.2.103.A]

123 [LAC 33:III.2.103.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT. [40 CFR 63.5109(A)]

Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or. Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place or.

124 [LAC 33:III.2.103.A]
125 [LAC 33:III.2.103.E.1]

Equip with a submerged fill pipe.
VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

EQT 1266 T-2 - Storage Vessel

126 [40 CFR 63.119(a)]

127 [40 CFR 63.119(e)]

Shall comply with the requirements of paragraphs (a)(1), (a)(2), (a)(3) and (a)(4) of this section according to the schedule provisions of 63.100 of Subpart F of this part. [40 CFR 63.119(a)]
The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(e)(1) through (e)(5). [40 CFR 63.119(e)]

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place or.

128 [LAC 33:III.2.103.A]
129 [LAC 33:III.2.103.A]
130 [LAC 33:III.2.103.A]
131 [LAC 33:III.2.103.E.1]

Equip with a submerged fill pipe.
Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or.

VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

132 [LAC 33:III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1268 T-4A - Storage Vessel

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

EQT 1268 T-4A - Storage Vessel

133 [40 CFR 63.123(a)]

Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

134 [LAC 33.III.2103.A]

135 [LAC 33.III.2103.A]

Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or. Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or

sampling is taking place or.

Equip with a submerged fill pipe.

VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1269 T-4B - Storage Vessel

139 [40 CFR 63.123(a)]

Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or

sampling is taking place.

Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or.

Equip with a submerged fill pipe or.

VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1270 T-7 - Storage Vessel

145 [40 CFR 63.123(a)]

Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-Y1

Air - Title V Regular Permit Renewal

EQT 1270 T-7 - Storage Vessel

146 [LAC 33:III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1271 T-8 - Storage Vessel

147 [40 CFR 63.123(a)]

Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

148 [LAC 33:III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1274 T-37 - Storage Vessel

149 [LAC 33:III.2103.A]

Equip with a submerged fill pipe or.

150 [LAC 33:III.2103.A]

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

151 [LAC 33:III.2103.A]

Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or. VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

152 [LAC 33:III.2103.E.1]

Which Months: All Year Statistical Basis: None specified

153 [LAC 33:III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1275 T-52 - Storage Vessel

154 [40 CFR 63.123(a)]

Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place or.

Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or.

155 [LAC 33:III.2103.A]

Equip with a submerged fill pipe.

156 [LAC 33:III.2103.A]

VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine

157 [LAC 33:III.2103.A]

maintenance which may not exceed 240 hours per year.

158 [LAC 33:III.2103.E.1]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

EQT 1275 T-52 - Storage Vessel

159 [LAC 33:III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1276 T-53 - Storage Vessel

160 [40 CFR 63.123(a)]

Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

161 [LAC 33:III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1277 T-59 - Storage Vessel

162 [40 CFR 63.123(a)]

Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

163 [LAC 33:III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1278 T-60 - Storage Vessel

164 [40 CFR 63.119(a)]

Shall comply with the requirements of paragraphs (a)(1), (a)(2), (a)(3) and (a)(4) of this section according to the schedule provisions of 63.100 of Subpart F of this part. [40 CFR 63.119(a)]
The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(c)(1) through (e)(5). [40 CFR 63.119(e)]

166 [LAC 33:III.2103.A]

167 [LAC 33:III.2103.A]

168 [LAC 33:III.2103.A]

169 [LAC 33:III.2103.E.1]

170 [LAC 33:III.5109.A]

Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere or. Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
Which Months: All Year Statistical Basis: None Specified
Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1280 T-95A - Storage Vessel

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

EQT 1280 T-95A - Storage Vessel

- 171 [40 CFR 63.123(a)] Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]
172 [LAC 33:III.5109.A] Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1281 T-95B - Storage Vessel

- 173 [40 CFR 63.123(a)] Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]
174 [LAC 33:III.5109.A] Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1282 T-95C - Storage Vessel

- 175 [40 CFR 63.123(a)] Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]
176 [LAC 33:III.5109.A] Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1284 T-100 - Storage Vessel

- 177 [40 CFR 63.123(a)] Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for a Group 1 or Group 2. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

EQT 1285 T-101 - Storage Vessel

- 178 [40 CFR 63.123(a)] Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for a Group 1 or Group 2. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

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EQT 1286 T-103 - Storage Vessel

179 [40 CFR 63.123(a)]

Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

180 [LAC 33.III.5109.A]

EQT 1289 T-106 - Storage Vessel

181 [40 CFR 63.119(a)]

Shall comply with the requirements of paragraphs (a)(1), (a)(2), (a)(3) and (a)(4) of this section according to the schedule provisions of 63.100 of Subpart F of this part. [40 CFR 63.119(a)]

182 [40 CFR 63.119(e)]

The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(e)(1) through (e)(5). [40 CFR 63.119(e)]

183 [LAC 33.III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1290 T-107 - Storage Vessel

184 [40 CFR 63.119(a)]

Shall comply with the requirements of paragraphs (a)(1), (a)(2), (a)(3) and (a)(4) of this section according to the schedule provisions of 63.100 of Subpart F of this part. [40 CFR 63.119(a)]

185 [40 CFR 63.119(e)]

The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(e)(1) through (e)(5). [40 CFR 63.119(e)]

186 [LAC 33.III.5109.A]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1291 T-108 - Storage Vessel

187 [40 CFR 63.119(a)]

Shall comply with the requirements of paragraphs (a)(1), (a)(2), (a)(3) and (a)(4) of this section according to the schedule provisions of 63.100 of Subpart F of this part. [40 CFR 63.119(a)]

188 [40 CFR 63.119(e)]

The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(e)(1) through (e)(5). [40 CFR 63.119(e)]

189 [LAC 33.III.2103.A]

190 [LAC 33.III.2103.A]

Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmospheric. Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place or.

191 [LAC 33.III.2103.A]

Equip with a submerged fill pipe or.

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EQT 1291 T-108 - Storage Vessel

192 [LAC 33:III.2103.E.1] VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1293 T-200 - Storage Vessel

194 [40 CFR 63.119(a)] Shall comply with the requirements of paragraphs (a)(1), (a)(2), (a)(3) and (a)(4) of this section according to the schedule provisions of 63.100 of Subpart F of this part. [40 CFR 63.119(a)]

195 [40 CFR 63.119(e)] The owner or operator who elects to use a closed vent system and control device, as defined in Part 63.111 of this subpart, to comply with the requirements of paragraph (a)(1) or (a)(2) of this section shall comply with the requirements specified in the paragraphs of 40 CFR 63.119(e)(1) through (e)(5). [40 CFR 63.119(e)]

Shall be controlled by TTU to achieve MACT - Determined as MACT.

EQT 1300 T-807 - Storage Vessel

197 [40 CFR 63.123(a)] Shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation. For each Group 2 storage vessel, the owner or operator is not required to comply with any other provision of 63.119 through 63.123 of this subpart other than those required by this paragraph unless such vessel is part of an emission average as described in 63.150 of this subpart. [40 CFR 63.123(a)]

Shall be controlled by PSA to achieve MACT - Determined as MACT.

EQT 1301 Truck Loading - Tank Truck Loading

199 [40 CFR 63.126(a)] Equip with a vapor collection system and control device. Subpart G [40 CFR 63.126(a)]
Organic HAP $\geq 98\%$ reduction by weight or exit concentration ≤ 20 ppmv, whichever is less stringent, using a control device. Subpart G. [40 CFR 63.126(b)(1)]

200 [40 CFR 63.126(b)(1)] Which Months: All Year Statistical Basis: None specified
For each Group 1 transfer rack the owner or operator shall comply with paragraph (b)(1), (b)(2), (b)(3), or (b)(4) of this section. [40 CFR 63.126(b)]

201 [40 CFR 63.126(b)] Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system.
VOC, Total $\geq 90\%$ DRE, using a vapor disposal system.

202 [LAC 33:III.2107.B] Which Months: All Year Statistical Basis: None specified
Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system.

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EQT 1301 Truck Loading - Tank Truck Loading

- 205 [LAC 33:III.2107.C] Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired.
VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, 10 detect leaks.
Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 through 4.
Shall be controlled by PSA to achieve MACT - Determined by MACT.

EQT 1302 V-766 - Groundwater Storage Vessel

- 209 [LAC 33:III.2103.A] Equip with a submerged fill pipe or.
Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.
210 [LAC 33:III.2103.A] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place or.
VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
Which Months: All Year Statistical Basis: None specified
Shall be controlled by TTU to achieve MACT - Determined as MACT.

FUG 0027 DN - Fugitive Emissions

- 214 [40 CFR 63.162(c)] Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(c)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
Pumps in high liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase II); 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
Which Months: All Year Statistical Basis: None specified

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FUG 0027 DN - Fugitive Emissions

- 217 [40 CFR 63.163(b)(3)] Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- Which Months: All Year Statistical Basis: None specified
- 218 [40 CFR 63.163(c)] Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 219 [40 CFR 63.163(d)(2)] Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 220 [40 CFR 63.163(d)(4)] Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 221 [40 CFR 63.163(e)] Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
- 222 [40 CFR 63.165(a)] Which Months: All Year Statistical Basis: None specified
- Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
- 223 [40 CFR 63.165(b)(1)] Which Months: All Year Statistical Basis: None specified
- Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 224 [40 CFR 63.165(b)(2)] Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- 225 [40 CFR 63.165(c)] Which Months: All Year Statistical Basis: None specified
- Any pressure relief device that is routed to a process, fuel gas system, or control device that complies with 63.172 of this subpart is exempt from any requirement of paragraph (a) and (b) of this section. [40 CFR 63.165(c)]
- 226 [40 CFR 63.165(d)(1)] Any pressure relief device that is equipped with a rupture disk upstream of the presence relief device is exempt from (a) and (b) provided requirements of 63.165(d)(2) are met. [40 CFR 63.165(d)(1)]
- 227 [40 CFR 63.165(d)(2)] Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
- 228 [40 CFR 63.166] Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.

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- 229 [40 CFR 63.167] Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.
- 230 [40 CFR 63.168(c)] Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- 231 [40 CFR 63.168(c)] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- 232 [40 CFR 63.168(d)(1)] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- 233 [40 CFR 63.168(d)(2)] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(d)(3)]
- 234 [40 CFR 63.168(e)(1)] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(e)(1)]
- 235 [40 CFR 63.168(f)(3)] Which Months: All Year Statistical Basis: None specified
Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 236 [40 CFR 63.168(f)] Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]

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- 238 [40 CFR 63.168(h)(2)] Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
- 239 [40 CFR 63.168(i)(1)] Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]
- Which Months: All Year Statistical Basis: None specified
- Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
- Which Months: All Year Statistical Basis: None specified
- Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 240 [40 CFR 63.168(i)(3)] Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.
- Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
- 241 [40 CFR 63.169(a)] Which Months: All Year Statistical Basis: None specified
- Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]
- 242 [40 CFR 63.169(c)] Which Months: All Year Statistical Basis: None specified
- Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
- 243 [40 CFR 63.170] Which Months: All Year Statistical Basis: None specified
- 244 [40 CFR 63.172(f)(1)(i)]
- 245 [40 CFR 63.172(f)(1)(ii)]
- 246 [40 CFR 63.172(f)(2)(i)]

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247	[40 CFR 63.172(f)(2)(ii)]	Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]	Which Months: All Year Statistical Basis: None specified	Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]	Delay of repair of a closed-vent system for which leaks have been detected is allowed if the repair is technically infeasible without a process unit shutdown or if the owner or operator determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from a delay of repair. Repair shall be complete by the end of the next process unit shutdown. [40 CFR 63.172(i)]	Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]	Which Months: All Year Statistical Basis: None specified	Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]	Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]	Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]	Which Months: All Year Statistical Basis: None specified	Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]	Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]	Which Months: All Year Statistical Basis: None specified	Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]	Connectors in gas/vapor service or liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]	Which Months: All Year Statistical Basis: None specified
248	[40 CFR 63.172(h)]																
249	[40 CFR 63.172(i)]																
250	[40 CFR 63.172(j)(2)]																
251	[40 CFR 63.172(j)(2)]																
252	[40 CFR 63.172(k)(1)]																
253	[40 CFR 63.172(k)(2)]																
254	[40 CFR 63.172(l)(1)]																
255	[40 CFR 63.172(l)(2)]																
256	[40 CFR 63.172(m)]																
257	[40 CFR 63.174(b)(1)]																

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- 258 [40 CFR 63.174(b)(2)] Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
- 259 [40 CFR 63.174(b)(3)(i)] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
- 260 [40 CFR 63.174(b)(3)(ii)] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- 261 [40 CFR 63.174(c)(1)(i)] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(i). Subpart H. [40 CFR 63.174(c)(1)(i)]
- 262 [40 CFR 63.174(d)] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 263 [40 CFR 63.174(d)(1)] Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
- 264 [40 CFR 63.174(d)(2)] Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
- 265 [40 CFR 63.174(g)] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
- 266 [40 CFR 63.174(h)(2)] Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
- 267 [40 CFR 63.174(i)] Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 268 [40 CFR 63.180] Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

FUG 0027 DN - Fugitive Emissions

- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.
- Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63.182(b)). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c).
- Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

GRP 0166 A7 - HCl Storage Tank Cap

Group Members: EQT 1213EQT 1214

- Shall comply with HCl MACT emissions limitations and work practice standards as applicable in 63.9000 and 63.9005.
- Shall follow performance testing as applicable per 63.9010 and 63.9020.
- Shall monitor as specified in 63.9035.
- Shall follow continuous compliance requirements per 63.9035 and 63.9040 as applicable.
- Shall follow reporting requirements per 63.9050.
- Shall follow recording requirements per 63.9055 and 63.9060.
- Emits Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33.III.S1(12, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33.III.S105.B.

CRG 0033 - HCl

Group Members: EQT 1212EQT 1215EQT 1222EQT 1303

- Shall comply with HCl MACT emissions limitations and work practice standards as applicable in 63.9000 and 63.9005.
- Shall follow performance testing as applicable per 63.9010 and 63.9020.
- Shall monitor as specified in 63.9035.
- Shall follow continuous compliance requirements per 63.9035 and 63.9040 as applicable.
- Shall follow reporting requirements per 63.9050.
- Shall follow recording requirements per 63.9055 and 63.9060.

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

CRG 0033 - HCl

287 [LAC 33:III.5107.A.2]

Emits Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

UNF 0005 - Solvents/EDC I Plant

288 [40 CFR 60 Subpart NNN]

289 [40 CFR 60.]

290 [40 CFR 61.148]

All affected facilities shall comply with applicable provisions in 40 CFR 60 Subpart NNN.

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying.

All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart FF.

All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.

Shall comply with all applicable requirements of 40 CFR 63 Subpart NNNN.

All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.

All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart EEE.

Shall comply with all applicable requirements of 40 CFR 63 Subpart G.

Shall comply with all applicable requirements of 40 CFR 63 Subpart H.

Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division.

Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]

Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.

300 [40 CFR 70.6(a)(3)(iii)(B)]

301 [40 CFR 70.6(c)(5)(iv)]

302 [40 CFR 82 Subpart F]

303 [LAC 33:III.1103]

SPECIFIC REQUIREMENTS

AI ID: 1409 - The Dow Chemical Co - Louisiana Operations

Activity Number: PER20080021

Permit Number: 2188-V1

Air - Title V Regular Permit Renewal

UNF 0005 - Solvents/EDC I Plant

- 304 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 305 [LAC 33:III.1303.B] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 306 [LAC 33:III.2113.A] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 307 [LAC 33:III.2119] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, n/p-Xylene, o-Xylene. (State Only).
- 308 [LAC 33:III.501.C.6] Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- 309 [LAC 33:III.501.C.6] Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration.
- 310 [LAC 33:III.507.E.4] Activate the preplanned abatement strategy listed in LAC 33:III.5611.1. Table 5 when the administrative authority declares an Air Pollution Emergency
- 311 [LAC 33:III.5609.A.1.b] Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning.
- 312 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.1. Table 7 when the administrative authority declares an Air Pollution
- 313 [LAC 33:III.5609.A.3.b] Emergency
- 314 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency
- 315 [LAC 33:III.5901.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7.
- 316 [LAC 33:III.5907] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 317 [LAC 33:III.919.D] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.1-30, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.